# Carnage Heart Portable (Import) Translation Guide

by jvgfanatic

Updated to v0.94 on Jan 19, 2007

Translation FAQ for Carnage Heart Portable (Japan) for PSP by JVGFanatic

Right now I consider this document about 94 percent complete though it includes translations for nearly everything you need to program your OKEs and play the game using your own programming skills. I still have a few translations and clarifications to make before I consider it a complete baseline translation. Once that is done I'll provide walkthroughs for at the very least the prologue. That will get you started.

I'd appreciate any suggestions and in particular any programming tricks you've found useful. I will include them with all credit to you in upcoming versions of this document. Send any ideas to jvgfanatic AT hotmail DOT com with the subject "Carnage Heart FAQ". Any less indentifiable subject will cause the email to go unread.

Currently I place this faq's version at .94

To Do:

List Premium Battle Teams Finish listing OKE types (2L done)

Thanks for looking and hope it helps.

Isn't it wonderful that ArtDink brought us another CH game? I think so!

What is Carnage Heart?

Carnage Heart is a mech (known in the game as OKE or Over Kill Engine) simulator of which the primary focus is the programming of the AIs that control the OKEs. This differs from the PSP version of Armored Core in that Armored Core's primary focus was on equipment. Armored Core did allow you to specify AI parameters but the AI portion of Carnage Heart is MUCH more extensive allowing you to program the AI in minute detail.

Carnage Heart first appeared on the Playstation console in 1995 in Japan. The game was localized for the US and EU Markets in 1997. A sequel, Carnage Heart Eazy Zapping was released in Japan in 1997. A third edition, Zeus: Carnage Heart Second (a genuine sequel, Easy Zapping was more like an upgrade) was released in Japan in 1998. Zeus also had a sequel called Zeus II.

Some fans of the series that worked for Genki apparently convinced ArtDink (a pretty cool company, as game companies go) to make this edition for the PSP: Carnage Heart Portable.

Another game that I remember as a child which allowed you to program Robot AIs was called Robot Odyssey on the Apple II. I spent a ton of time with that game so I was overjoyed when I first heard of Carnage Heart. Another game I

remember playing that is similar to CH is ChipWits for the original Macintosh computer. Anyway, I digress, let's get back to the game at hand.

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MENU TRANSLATIONS

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Main Menu (Game Menu)

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Prologue Game

Scenario Game (after finishing main Prologue Game)

Battle Game (after finishing main Prologue Game

Option

Top Menu (Prologue)

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Objectives Overview
OKE Configuration

Team Selection & Deployment

Begin Battle

System

Top Menu (Battle Mode)

\_\_\_\_\_

OKE Configuration

Team Setup

Match Maker Battle

Challenge Battle

Premium Battle

Data Transfer

Battle Progress Chart

System

System Menu

-----

Save Game

Load Game

Option

Return to Title

Option Menu

-----

Replay Data Viewer

Volume

BGM Setting (only in battle mode after beating premium with all golds)

OKE Configuration Menu

\_\_\_\_\_

OKE Selection

Hardware Setup

Software Setup

Simulation

OKE Information Setup

```
OKE Information Setup Menu
_____
OKE Name Input
OKE Code Input
OKE Info Privacy (Release, Secret)
OKE Information Setup Menu (2)
_____
OKE Name Input
OKE Code Input
Copy Info To...
OKE Info Privacy (Release, Secret)
Team Setup Menu (in Battle Game)
Team Selection
OKE Selection (for current Team)
Formation Edit
Team Name Setting
Team Emblem
Match Maker Battle Menu
_____
Regulations
Arena Size
Team Entry
Standings
Begin Battle
Regulations Menu(s)
_____
Regulation Battle
  Beginner Class
  Standard Class
  Maximum Class
  Custom Class
Custom Settings
  Permissable Fuselage
  Permissable Weapons
  Team Size
  CPU Restriction
    No Restriction
    Medium Size and Smaller
    Small Size and Smaller
  Chip Restrictions
    No Restrictions
    Advanced and lesser
    Normal Chips only
  Battle Time
  Arena Size
  Stage Select
  Barricade
    On
    Off
```

### Challenge Battle Menu(s)

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Challenge Mode

Destruction Mode
Survival Mode
Grapple Mode

Team or Single Menu
Single OKE Selection
Team Selection
Rankings
Begin Challenge Battle

# Premium Battle Menu

\_\_\_\_\_

Choose Enemy Team
Player Team Selection
Begin Battle

#### Battle Transfer Menu

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Save Data Transfer
AdHoc Data Transfer
Premium Battle Data Transfer
Import/Export

## Hardware Setup Menu

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Body

CPU Core

Armament

Armor

Option Slots

Tuning (not avail. until unlocked by beating Premium Battle ladder)

- Energy
- Engine

Color/Design

Emblem

#### Software Setup Menu

\_\_\_\_\_

Edit

Position Start
Place Macro
Copy Software to...

Clear Chip

Finish Software Setup

Pressing Triangle during Software Programming allows you to select an area then press O (Circle) for the following menu:

Programming Edit Menu

-----

```
Move Selection
Copy Selection
Delete Selection
Define Macro (allows you to enter a name)
Simulation Menu
_____
Simulation Teams
Set Formation of Teams (Enemy, Friend)
Field Selection
Time Setting (Seconds)
Begin Simulation
Field Selection Menu
Select Field
Playable Area Setting
Barricade Settings (Count)
_____
PROLOGUE WALKTHROUGH
Note: I've used the system found in the two CH for PSX faqs to notate
programs. Arrows without lines are GREEN. Arrows with lines are RED:
     \ /\ /
                            \==/\==/
                           > Chip with
                           <
                                > Chip with
             all green
                          | | all red
     / \/ \ arrows
                           /==\/==\ arrows
A "green" arrow pointing to an edge (nothing) is just that. It works the
same as a <Return> chip (that gets automatically placed at the end of
a row of chips.
```

The first prologue teaches you how to use the NoOp chip and the Grapple Attack chip. Both are very basic, you can find descriptions in the Chip

Prologue Mission 1 - NoOp and Grapple Attack

List below.

GRAP: Grapple
RET : Return

START + \/ + | GRAP |

| AUTO | + \/ +

| RET |

Possible solution:

```
+=====+
_____
Prologue Mission 2 - Scanning and Turning
_____
SCAN E : Scan for Enemy
GRAP : Grapple
TURN : Turn
Possible solution:
  START
 + \/ + /\ +
 |SCAN E| GRAP |
 | 100m >
 | 0 90 | AUTO |
 + \/ +=====+
   TURN |
   RGHT |
 +=====+
______
Prologue Mission 3 - Moving, Checking Arena Boundary, and Random
The same program you used in the last mission will work here
just fine.
Prologue Mission 4 - Moving, Checking Arena Boundary, and Random
______
If memory serves, you can continue using the same program here...
_____
END OF PROLOGUE BRIEFINGS
_____
SCENARIO MODE OKES
_____
You have to program these OKEs effectively, not at the same time and not
necessarily in this order. Incidentally, you usually have to defeat these OKEs
before they become usable.
Rusty Nail
_____
185mm Cannon x 80
Hornet x 12
Armor 80mm
1. ECM
2. Repair
3. Coolant
4. Running Shot
```

Maria Arena x 2

```
Hornet x 12
Flying Decoy x 6
Armor 10mm
? Coating
1. Shield
2. Repair
3. Acceleration
Eggnog x 2
-----
Tungsten x 120
Napalm Rain x 40
Hornet x 8
Armor 50mm
1. Coolant
2. ECM
3. Acceleration
Jeira
F8 Shotgun x 120
Black Panther x 12
Armor 50mm
1. ECM
2. Coolant
3. Running Shot
Tripod x 2
_____
Argon Beam Gun x 100
Muramase x 6
Valkyrie x 8
Armor 20mm
1. ECM
2. Coolant
3. Shield
Chickenhawk
_____
Argon Beam x 150
Desusu Fire x 8
Behemoth x 8
Armor 30mm
1. ECM
2. Coolant
3. Running Shot
Chaika
_____
Argon Beam x 120
M4 Napalm x 60
Helbad x 6
Spectre x 6
Armor 10mm
1. ECM
2. Coolant
Flied
```

Argon Beam x 100

```
Argon Beam x 100
Blue Screen x 50
Myoruniru x 24
Armor 10mm
1. ECM
2. Running Shot
Lotus
Tungsten x 110
Armor 10mm
1. ECM
Arcana x 2
-----
F10 Shot Gun x 100
Muramase x 6
Uiskaankuru x 3
Armor 80mm
Beam Coating
1. Coolant
2. ECM
3. Running Shot
4. Shield
Grasshopper
-----
Tungsten x 250
Avalance x 16
Armor 70mm
Beam Coating
1. Coolant
2. Coolant
3. Shield
Roken x 2
-----
Argon Beam x 300
F12 Shotgun x 120
Valkyrie x 12
Armor 90mm
1. Coolant
2. Coolant
3. ECM
4. Shield
Angurif
Bluescreen x 150
F12 Shotgun x 100
Rojya x 12
Armor 80mm
```

Noranda x 3

Bomb Coating
1. Coolant
2. Repair
3. ECM
4. Shield

Jamming Rod x 4 Armor 90mm ? Coating 1. Radar 2. Shield 3. Self Destruct Nekroni x 3 \_\_\_\_\_ Lightning Stunner x 50 Blue Cat x 4 Hornet x 8 Armor 20mm Anti Stun Coating 1. Gravity Deflector 2. ECM 3. Acceleration Nekroni x 3 \_\_\_\_\_ Kurasta Hammer x 40 Spectre x 4 Hornet x 8 Armor 10mm Beam Coating 1. Gravity Deflector 2. ECM 3. Acceleration Hades x 1 \_\_\_\_\_ Rail Gun Beam Gun Rocket Launcher Rocket Launcher Air and Ground Mine Dispenser Armor 150mm Projectile Coating 1. ECM 2. Coolant 3. Shield 4. Coolant ========= PROGRAMMING ========= How to Program

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Jamming Rod x 4

Lightning Stunner x 30

This is FAR from a tutorial on OKE programming. I'll organize these notes later but hopefully this start will help you with your initial forays into the "art."

OKEs are programmed by arranging a series of square chips that contain various functions in a grid. Each chip has at least one output which points to either another chip OR returns to the start of the program. The Start is the entry

point on the edge of the grid at which a program starts (and returns after completing a cycle).

Some chips have two outputs: red and green. These are "decision" or "branch" chips. The RED output is followed if the condition of the branch is TRUE. The GREEN output is followed if the condition of the branch is FALSE. This might seem a bit confusing at first however if you imagine green to be the "normal" program flow while "red" is the alternative flow then that makes it easy to remember.

Almost all chips have various parameters, for example: a chip that scans for OKEs allows you to set the range and shape of the scan area while a chip that moves the OKE allows you to specify a direction of movement. The following list of chips is a translation of all of the chip names as well as their various parameters.

Note the last command on all chip settings is "set" and is the command you choose to exit the chip setting menu.

Also note: with most numeric entries (rounds, etc...) You can press TRIANGLE for an easier way to enter higher numbers.

CHIP PARAMETERS AND DEFINITIONS

\_\_\_\_\_

Process Chips (olive)

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NoOp (Norm)

Stop (Norm)

- Time (30th/s)

Wait (Norm)

Subroutine (Norm)

- Subprogram

Set Counter (Exp)

- To Parameter
  - Friend
  - Enemy
  - Time into Fight
  - Random (?)
  - My X Position
  - My Y Position
  - My Z Position
  - My Direction
  - Target Number
  - Target Azimuth
  - Target Elevation
  - Target X Position
  - Target Y Position
  - Target Z Position
  - Target Direction
  - Target Bodycode
  - Target Action CodeTarget Distance
  - Target Distance XY

# Counter Calculator (Exp) - Numeric Parameter - Counter to change - Counter Parameter - Operation - Replace - Add - Subtract - Multiply - Int - Mod - Abs - Max - Min - Sqr Send Counter to Channel (Exp) - Counter - Channel Receive Counter from Channel (Exp) - Counter - Channel \_\_\_\_\_ Conditional Branch Chips (burgundy) -----Weapon/Option Quantity Branch (Norm) - Weapon/Option to measure - Quantity - Higher than, Lower than quantity Battle Area Branch (Norm) - Area Search Pattern Nearby OKE Branch (Norm) - Search Pattern/Area - OKE Alliance - Enemy - Ally - None Specified - OKE Type - 2 Legged - Treaded - Hopper - Wheeled - Air - None Specified - OKE Count - Higher or Lower than Count

### Nearby Objects Branch (Norm)

- Search Pattern/Area
  - Sweep Search
  - Square Search
- Object Size
- Greater than or Less than Size

```
Missle/Weapon/Warhead Detection Branch (Norm)
   - Search Area
  - Weapon Type
    - Bullet
    - Beam
    - Pulse
    - Napalm
    - Grenade
    - Bomb
    - Rocket
    - Missile
    - Land Mine
    - Aerial Mine
    - Projectile
    - Any Type
  - Count
  - Higher or Lower than Count
OKE Condition Branch (Norm)
  - Stat
    - HP
    - Energy
    - Heat
  - Percentage
  - Greater than/Less than Percentage
OKE Status Branch (Norm)
  - Status
    - Wait
    - Moving
    - Turning
    - Jumping
    - Firing
    - Fighting
    - Defense
    - Special
    - Stumble
Random Branch (Norm)
  - Percentage
Time Branch (Norm)
  - Time from Beginning/Time til End
  - Amount of time (in Seconds)
  - Greater than/Less Than Amount of Time
Target Position Branch (Adv)
  - Range
  Notes: If the target is in the specified range the branch condition
             (red). If not then the branch condition is false (green).
Position From Target Branch (Adv)
  - Range
  Notes: If our OKE is within the specified range from the target's position
  then the branch is true (red), if we are outside of the specified range from
  the target's perspective then the branch is false (green)
Target Operation Branch (Adv)
```

- Operation Type
  - Waiting
  - Moving
  - Turning
  - Jumping
  - Firing
  - Fighting
  - Defending
  - Special Operation
  - Stumbling
  - Unlocking

#### Target OKE Code Branch (Adv)

- OKE Code
  - 0 Non Target Lock 20 Anubis - 1 - Blockhead - 21 - Bad Dream - 2 - Necroni - 22 - Rockin - 3 - Jeira - 23 - Basilisk - 4 - Eggnog - 24 - Hoi Recon - 25 - Angurif - 5 - Twill Shadow - 6 - Rusty Nail - 26 - Fried - 7 - Noranda - 27 - Lotus - 8 - Torinka - 28 - Priest
  - 9 Moon Shadow 29 Mokin Bad - 10 - Cemetary Keeper - 30 - Chaika
  - 11 Park Dog 31 Target Drone - 12 - Grasshopper - 32 - Focus
  - 12 Grasshopper 32 Focus - 13 - Arakune - 33 - Bipods
  - 14 Dark Boundary 34 Multi Legged
  - 15 Hades 35 Hover - 16 - Chickenhawk - 36 - Vehicle - 17 - Tripod - 37 - Flying
  - 18 Dark Coffin - 19 - Mariaerene

# Lock Detection Branch (Adv)

- Lock Count

Notes: Branches if Lock Count or more locks have been acquired on our OKE.

## Target Weapon Branch (Adv)

- Armament Slot (1-5)
- Armament Type
  - No Weapon
  - Assault Gun
  - Beam Gun
  - Pulse Gun
  - Napalm Gun
  - Explosives Gun
  - Shot Gun
  - Rail Gun
  - Hand Grenade
  - Aerial Bomb
  - Rocket Launcher
  - Missile Launcher
  - Land Mine Dispenser
  - Aerial Mine Dispenser

Target Line of Sight Branch (Adv)

Notes: Does NOT take into account objects on the battlefield. Counter Branch (Exp) - Numeric Parameter - Counter - Counter Parameter - Comparitor (Greater than, Less than, Equal) Action Chips (blue) -----Stop Operation Movement (Norm) - Direction (Left, Right, Forward, Backward) Turn (Norm) - Direction (Left, Right) Jump (Norm) - Direction (Left, Right, Forwad, Backward, In Place) - Processing Mode (Halt, Passthrough) Dash (Norm) - Direction (Left, Right, Forward, Backward) - Processing Mode (Halt, Passthrough) Spin (180) (Norm) - Direction (Left, Right) - Processing Mode (Halt, Passthrough) Grapple Attack (Norm) - Grapple Operation (Low, High, Long Range, Auto) - Processing Mode (Halt, Passthrough) Defense (Norm) - Defensive Operation (Guard, Duck) - Time of Operation (30th/s) - Processing Mode (Halt, Passthrough) Special Action (Norm) - Which Action (particular to the OKE body type) - Processing Mode (Halt, Passthrough) Weapon Attack (Norm) - Range - Weapon - Number of Rounds - Shot Mode (Normal Shot, Random Shot, Sniping) (Normak, Quick, Careful?) - Processing Mode (Halt, Passthrough) Indirect Attack (Norm) - Direction Setting - Angle Setting - Weapon Selection - Number of Rounds

- Processing Mode (Halt, Passthrough)

```
Target Shot (Adv)
  - Weapon Selection
  - Number of Rounds
  - Shot Mode (Normal Shot, Random Shot, Sniping) (Normal, Quick, Careful?)
  - Processing Mode (Halt, Passthrough)
  Notes: You shoot at the locked on target's fuselage. If no
  target is locked on then nothing happens.
Spin Jump (Adv)
  - Direction (Left, Right, Forwad, Backward)
  - Spin Direction (Left, Right)
  - Processing Mode (Halt, Passthrough)
Spin Movement (Adv)
  - Direction (Left, Right, Forwad, Backward)
  - Spin Direction (Left, Right)
  - Processing Mode (Halt, Passthrough)
Moving Shot (Adv)
  - Direction (Left, Right, Forwad, Backward)
  - Weapon Selection
  - Number of Rounds
  - Processing Mode (Halt, Passthrough)
Jump Shot (Adv)
  - Direction (Left, Right, Forwad, Backward)
  - Weapon Selection
  - Number of Rounds
  - Processing Mode (Halt, Passthrough)
Indirect Attack Counter (Expert)
  - Direction Counter
  - Angle Counter
  - Weapon
  - Rounds
  - Processing Mode (Halt, Passthrough)
_____
Order Chips (teal)
_____
Set Altitude (Norm)
  - Altitude Setting (in Meters)
Engage Option (Norm)
 - Option Selection
Target Lock (Adv)
  - Range
  - To Lock (Enemy, Ally, None Specified)
  - To Lock OKE Type
Auto-rotate Fuselage Toward Target (Adv)
  - Auto Operate Rotation (Cancel, Operate)
  Note: Operate is turned on until Cancel is set (i.e. two instances of
  this chip).
```

Set Targetting to Specific OKE Part (OKE)
- Part (Body, Weapon 1, Weapon 2, ...)

Target Lock Counter Setting (Exp)

- Counter

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EQUIPMENT CHARTS

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FUSELAGES (in progress)

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	Type	Durab	Weight	MaxWt	Capacity	Wpn	Energy
Blockhead	2L	640	2920	6800	1200	2	2100
Necroni	2L	720	3880	10100	1600	3	2400
Geira	2L	900	5320	13200	2000	2	2600
Eggnog	2L	840	4380	12400	1800	3	2400
Twill Shadow	2L	860	4920	13200	2000	3	2600
Rusty Nail	2L	980	5800	17600	2200	3	3000
Noranda	2L	820	4160	11400	1600	3	2800
Torinka	2L	800	4880	13400	2200	3	2400
Moon Shadow	2L	700	4440	11800	1500	3	2200

CPUs

\_\_\_\_

Capacity is how many chips Speed is how many chips processed per second Weight is in kilograms

	Capacity	Speed	Weight
TP-16	16c	10c/s	16kg
SP-36L	36c	30c/s	70kg
SP-36H	36c	60c/s	90kg
MP-100L	100c	60c/s	140kg
MP-100H	100c	90c/s	160kg
LP-323L	323c	90c/s	260kg
LP-323M	323c	120c/s	280kg
LP-323H	323c	150c/s	300kg

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Armament

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Dest is Destructive Power

Heat is Heat Generated By Weapon

Theat is Heat Generated in Target by a hit

Ammo is MAX Ammo capacity (defaults are often significantly lower)

Weight is the Weight in Kilograms \*when Ammo is Maxxed\*

Range is max effective range as judged by my tests

	Dest	Heat	THeat	Ammo	Weight	Range
ASSAULT GUNS						
Tungsten AG	76	62	40	990	9390kg	200m
Waranume AG	78	66	100	990	10429kg	200m

BEAM GUNS   Argon Beam Gun							
Argon Beam Gun 50 88 140 990 3320kg Plasma Beam Gun 52 92 200 990 4360kg Guriumu Beam Gun 56 100 160 990 4400kg  PULSE GUNS Four Getter 44 64 40 990 10300kg Blue Screen 36 64 40 990 10350kg  NAPALM GUNS M4 Napalm Gun 40 92 180 990 12300kg M6 Napalm Gun 48 100 180 990 16320kg  EXPLOSIVES GUNS Particle Gun 44x10 84 80 990 24480kg Corpuscle Gun 46x10 86 100 990 32660kg  M6lecule Gun 48x10 86 80 990 32660kg  Mapalm Rain 40x4 0 200 100 5800kg Crasta Hammer 68x4 0 60 100 6400kg Lighting Stunner 80 0 60 100 4200kg  SHOTGUNS F8 Shot Shell 44x8 86 50 990 24480kg F10 Shot Shell 48x12 94 50 990 32520kg  CANON 185mm 162 145 220 990 52760kg F12 Shot Shell 48x12 94 50 990 32520kg  CRACKETS Black Panther(sm) 72x8 66 220 12 970kg Centipede(sm) 72x10 80 200 12 1210kg Centaur(sm) 76x14 92 220 6 1040kg Hellhound(m) 80x14 124 160 6 1520kg RGCRETS Blue Cat(m) 76x18 118 200 6 1280kg Hellhound(m) 80x24 164 180 3 1580kg RGABLES Hornet (sm) 100 68 240 8 730kg Ragnarok(1g) 80x24 164 180 3 1580kg RMISSILES Hornet (sm) 100 68 240 8 730kg Ragnarok(1g) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Raptor (sm) 110 80 320 8 890kg Raptor (sm) 100 68 240 8 730kg Raptor (sm) 100 68 240 8 890kg Raptor (sm) 100 68 240 8 730kg Raptor (sm) 100 68 240 4 800kg Raptor (sm) 100 68 240 4 12020kg Raptor (sm) 100 68 240 4 12020kg Raptor (sm) 100 68 240 4 800kg Raptor (sm) 170 106 480 4 960kg	Noberiume AG	82	72	80	990	12480kg	200m
Argon Beam Gun 50 88 140 990 3320kg Plasma Beam Gun 52 92 200 990 4360kg Guriumu Beam Gun 56 100 160 990 4400kg  PULSE GUNS Four Getter 44 64 40 990 10300kg Blue Screen 36 64 40 990 10350kg  NAPALM GUNS M4 Napalm Gun 40 92 180 990 12300kg M6 Napalm Gun 48 100 180 990 16320kg  EXPLOSIVES GUNS Particle Gun 44x10 84 80 990 24480kg Corpuscle Gun 46x10 86 100 990 32660kg  M6lecule Gun 48x10 86 80 990 32660kg  Mapalm Rain 40x4 0 200 100 5800kg Crasta Hammer 68x4 0 60 100 6400kg Lighting Stunner 80 0 60 100 4200kg  SHOTGUNS F8 Shot Shell 44x8 86 50 990 24480kg F10 Shot Shell 48x12 94 50 990 32520kg  CANON 185mm 162 145 220 990 52760kg F12 Shot Shell 48x12 94 50 990 32520kg  CRACKETS Black Panther(sm) 72x8 66 220 12 970kg Centipede(sm) 72x10 80 200 12 1210kg Centaur(sm) 76x14 92 220 6 1040kg Hellhound(m) 80x14 124 160 6 1520kg RGCRETS Blue Cat(m) 76x18 118 200 6 1280kg Hellhound(m) 80x24 164 180 3 1580kg RGABLES Hornet (sm) 100 68 240 8 730kg Ragnarok(1g) 80x24 164 180 3 1580kg RMISSILES Hornet (sm) 100 68 240 8 730kg Ragnarok(1g) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Raptor (sm) 110 80 320 8 890kg Raptor (sm) 100 68 240 8 730kg Raptor (sm) 100 68 240 8 890kg Raptor (sm) 100 68 240 8 730kg Raptor (sm) 100 68 240 4 800kg Raptor (sm) 100 68 240 4 12020kg Raptor (sm) 100 68 240 4 12020kg Raptor (sm) 100 68 240 4 800kg Raptor (sm) 170 106 480 4 960kg	DEAM CLINC						
Plasma Beam Gun   52   92   200   990   4360kg		Ε.Ο.	0.0	1.40	0.00	22201 -	
PULSE GUNS						=	
FOUR GETTER						=	
Four Getter	Guriumu Beam Gun	56	100	160	990	4400kg	
NAPALM GUNS	PULSE GUNS						
NAPALM GUNS M4 Napalm Gun	Four Getter	44	64	40	990	10300kg	
M4 Napalm Gun	Blue Screen	36	64	40	990	10350kg	
EXPLOSIVES GUNS Particle Gun	NAPALM GUNS						
EXPLOSIVES GUNS  Particle Gun	M4 Napalm Gun	40	92	180	990	12300kg	
EXPLOSIVES GUNS  Particle Gun	<del>-</del>	48	100	180	990	=	
Particle Gun	mapaziii oan	10	100	200	330	10010119	
Corpuscle Gun         46x10         86         100         990         28540kg           Molecule Gun         48x10         86         80         990         32660kg           HAND GRENADES         Napalm Rain         40x4         0         200         100         5800kg           Crasta Hammer         68x4         0         60         100         4200kg           SHOTGUNS           F8 Shot Shell         44x8         86         50         990         20480kg           F10 Shot Shell         48x12         94         50         990         24520kg           F12 Shot Shell         48x12         94         50         990         24520kg           F12 Shot Shell         48x12         94         50         990         32520kg           CANON           185mm         162         145         220         990         52760kg           215mm         188         168         240         990         64880kg           ROCKETS           Black Panther(sm)         72x8         66         220         12         970kg           Centipede(sm)         72x10         80         200         1	EXPLOSIVES GUNS						
Molecule Gun 48x10 86 80 990 32660kg  HAND GRENADES  Napalm Rain 40x4 0 200 100 5800kg  Crasta Hammer 68x4 0 60 100 4200kg  Lightning Stunner 80 0 60 100 4200kg  SHOTGUNS  F8 Shot Shell 44x8 86 50 990 24520kg  F10 Shot Shell 48x12 94 50 990 32520kg  CANON  185mm 162 145 220 990 52760kg  215mm 188 168 240 990 64880kg  ROCKETS  Black Panther(sm) 72x8 66 220 12 970kg  Centipede(sm) 72x10 80 200 12 1210kg  Centaur(sm) 76x14 92 220 6 1040kg  Hellbad(m) 76x14 92 220 6 1040kg  Blue Cat(m) 76x18 118 200 6 1280kg  Hellhound(m) 80x14 124 160 6 1520kg  Albatross(1g) 80x24 132 280 3 1100kg  Ifrit(1g) 80x32 156 200 3 1340kg  Ragnarok(1g) 80x24 164 180 3 1580kg  MISSILES  Hornet (sm) 100 68 240 8 730kg  Viper (sm) 110 80 320 8 890kg  Raptor (sm) 120 86 220 8 1050kg  Spectre (m) 160 68 400 4 800kg  Wipan (m) 170 106 480 4 960kg  Muramase (m) 36x6 132 120 4 1120kg  Odin (1g) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS  Karakara 62x10 32 120 4 980kg  DesusuFire 200 32 320 4 1020kg	Particle Gun	44x10	84	80	990	24480kg	
HAND GRENADES Napalm Rain	Corpuscle Gun	46x10	86	100	990	28540kg	
Napalm Rain	Molecule Gun	48x10	86	80	990	32660kg	
Napalm Rain						_	
Crasta Hammer 68x4 0 60 100 6400kg Lightning Stunner 80 0 60 100 4200kg  SHOTGUNS F8 Shot Shell 44x8 86 50 990 24520kg F10 Shot Shell 48x12 94 50 990 32520kg  CANON 185mm 162 145 220 990 52760kg 215mm 188 168 240 990 64880kg  ROCKETS Black Panther(sm) 72x8 66 220 12 970kg Centipede(sm) 72x10 80 200 12 1210kg Centaur(sm) 76x14 92 220 6 1040kg Hellbad(m) 76x14 92 220 6 1040kg Blue Cat(m) 76x18 118 200 6 1280kg Hellhound(m) 80x14 124 160 6 1520kg Albatross(1g) 80x24 132 280 3 1100kg Ifrit(1g) 80x32 156 200 3 1340kg Ragnarok(1g) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Viper (sm) 110 80 320 8 890kg Ragnarok(sm) 120 86 220 8 1050kg Spectre (m) 160 68 400 4 800kg Wipan (m) 170 106 480 4 960kg Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (1g) 250 132 500 2 860kg Typhoon (1g) 280 144 700 2 1020kg Odin (1g) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	HAND GRENADES						
SHOTGUNS	Napalm Rain	40x4	0	200	100	5800kg	
SHOTGUNS F8 Shot Shell	Crasta Hammer	68x4	0	60	100	6400kg	
F8 Shot Shell	Lightning Stunner	80	0	60	100	4200kg	
F8 Shot Shell	QUOTICINIA						
F10 Shot Shell		4.4.0	0.6	F 0	0.00	004001	
CANON  185mm		_				=	
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185mm 162 145 220 990 52760kg 215mm 188 168 240 990 64880kg  ROCKETS  Black Panther(sm) 72x8 66 220 12 970kg Centipede(sm) 72x10 80 200 12 1210kg Centaur(sm) 78x8 56 120 12 1450kg Hellbad(m) 76x14 92 220 6 1040kg Blue Cat(m) 76x18 118 200 6 1280kg Hellhound(m) 80x14 124 160 6 1520kg Albatross(1g) 80x24 132 280 3 1100kg Ifrit(1g) 80x32 156 200 3 1340kg Ragnarok(1g) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Viper (sm) 110 80 320 8 890kg Raptor (sm) 120 86 220 8 10500kg Spectre (m) 160 68 400 4 800kg Wipan (m) 170 106 480 4 960kg Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (1g) 250 132 500 2 860kg Typhoon (1g) 280 144 700 2 1020kg Odin (1g) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	F12 Shot Shell	48x12	94	50	990	32520kg	
### ROCKETS  ### Black Panther(sm)	CANON						
ROCKETS  Black Panther(sm) 72x8 66 220 12 970kg  Centipede(sm) 72x10 80 200 12 1210kg  Centaur(sm) 78x8 56 120 12 1450kg  Hellbad(m) 76x14 92 220 6 1040kg  Blue Cat(m) 76x18 118 200 6 1280kg  Hellhound(m) 80x14 124 160 6 1520kg  Albatross(lg) 80x24 132 280 3 1100kg  Ifrit(lg) 80x32 156 200 3 1340kg  Ragnarok(lg) 80x24 164 180 3 1580kg  MISSILES  Hornet (sm) 100 68 240 8 730kg  Viper (sm) 110 80 320 8 890kg  Raptor (sm) 120 86 220 8 1050kg  Spectre (m) 160 68 400 4 800kg  Wipan (m) 170 106 480 4 960kg  Muramase (m) 36x6 132 120 4 1120kg  Uisukaaankuru (lg) 250 132 500 2 860kg  Typhoon (lg) 280 144 700 2 1020kg  Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS  Karakara 62x10 32 120 4 980kg  DesusuFire 200 32 320 4 1020kg	185mm	162	145	220	990	52760kg	
Black Panther(sm) 72x8 66 220 12 970kg Centipede(sm) 72x10 80 200 12 1210kg Centaur(sm) 78x8 56 120 12 1450kg Hellbad(m) 76x14 92 220 6 1040kg Blue Cat(m) 76x18 118 200 6 1280kg Hellhound(m) 80x14 124 160 6 1520kg Albatross(lg) 80x24 132 280 3 1100kg Ifrit(lg) 80x32 156 200 3 1340kg Ragnarok(lg) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Viper (sm) 110 80 320 8 890kg Raptor (sm) 120 86 220 8 1050kg Spectre (m) 160 68 400 4 800kg Wipan (m) 170 106 480 4 960kg Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (lg) 250 132 500 2 860kg Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	215mm	188	168	240	990	64880kg	
Centipede (sm) 72x10 80 200 12 1210kg Centaur (sm) 78x8 56 120 12 1450kg Hellbad (m) 76x14 92 220 6 1040kg Blue Cat (m) 76x18 118 200 6 1280kg Hellhound (m) 80x14 124 160 6 1520kg Albatross (lg) 80x24 132 280 3 1100kg Ifrit (lg) 80x32 156 200 3 1340kg Ragnarok (lg) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Viper (sm) 110 80 320 8 890kg Raptor (sm) 120 86 220 8 1050kg Spectre (m) 160 68 400 4 800kg Wipan (m) 170 106 480 4 960kg Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (lg) 250 132 500 2 860kg Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	ROCKETS						
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Centaur(sm)       78x8       56       120       12       1450kg         Hellbad(m)       76x14       92       220       6       1040kg         Blue Cat(m)       76x18       118       200       6       1280kg         Hellhound(m)       80x14       124       160       6       1520kg         Albatross(lg)       80x24       132       280       3       1100kg         Ifrit(lg)       80x32       156       200       3       1340kg         Ragnarok(lg)       80x24       164       180       3       1580kg         MISSILES         Hornet (sm)       100       68       240       8       730kg         Viper (sm)       110       80       320       8       890kg         Raptor (sm)       120       86       220       8       1050kg         Spectre (m)       160       68       400       4       800kg         Wipan (m)       170       106       480       4       960kg         Muramase (m)       36x6       132       120       4       1120kg         Uisukaaankuru (lg)       250       132       500       2       860kg	• • •	72×10	8.0	200	12	=	
Hellbad(m) 76x14 92 220 6 1040kg Blue Cat(m) 76x18 118 200 6 1280kg Hellhound(m) 80x14 124 160 6 1520kg Albatross(lg) 80x24 132 280 3 1100kg Ifrit(lg) 80x32 156 200 3 1340kg Ragnarok(lg) 80x24 164 180 3 1580kg  MISSILES Hornet (sm) 100 68 240 8 730kg Viper (sm) 110 80 320 8 890kg Raptor (sm) 120 86 220 8 1050kg Spectre (m) 160 68 400 4 800kg Wipan (m) 170 106 480 4 960kg Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (lg) 250 132 500 2 860kg Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	<del>-</del>					=	
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Ragnarok(lg)       80x24       164       180       3       1580kg         MISSILES       Hornet (sm)       100       68       240       8       730kg         Viper (sm)       110       80       320       8       890kg         Raptor (sm)       120       86       220       8       1050kg         Spectre (m)       160       68       400       4       800kg         Wipan (m)       170       106       480       4       960kg         Muramase (m)       36x6       132       120       4       1120kg         Uisukaaankuru (lg)       250       132       500       2       860kg         Typhoon (lg)       280       144       700       2       1020kg         Odin (lg)       38x10       156       140       2       1180kg         LAND MINE DISPENSERS         Karakara       62x10       32       120       4       980kg         DesusuFire       200       32       320       4       1020kg	<del>-</del>					-	
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Viper (sm)       110       80       320       8       890kg         Raptor (sm)       120       86       220       8       1050kg         Spectre (m)       160       68       400       4       800kg         Wipan (m)       170       106       480       4       960kg         Muramase (m)       36x6       132       120       4       1120kg         Uisukaaankuru (lg)       250       132       500       2       860kg         Typhoon (lg)       280       144       700       2       1020kg         Odin (lg)       38x10       156       140       2       1180kg         LAND MINE DISPENSERS         Karakara       62x10       32       120       4       980kg         DesusuFire       200       32       320       4       1020kg	MISSILES						
Raptor (sm) 120 86 220 8 1050kg Spectre (m) 160 68 400 4 800kg Wipan (m) 170 106 480 4 960kg Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (lg) 250 132 500 2 860kg Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	Hornet (sm)	100	68	240	8	730kg	
Spectre (m)       160       68       400       4       800kg         Wipan (m)       170       106       480       4       960kg         Muramase (m)       36x6       132       120       4       1120kg         Uisukaaankuru (lg)       250       132       500       2       860kg         Typhoon (lg)       280       144       700       2       1020kg         Odin (lg)       38x10       156       140       2       1180kg    LAND MINE DISPENSERS Karakara       62x10       32       120       4       980kg       DesusuFire       200       32       320       4       1020kg	Viper (sm)	110	80	320	8	890kg	
Wipan (m)       170       106       480       4       960kg         Muramase (m)       36x6       132       120       4       1120kg         Uisukaaankuru (lg)       250       132       500       2       860kg         Typhoon (lg)       280       144       700       2       1020kg         Odin (lg)       38x10       156       140       2       1180kg         LAND MINE DISPENSERS         Karakara       62x10       32       120       4       980kg         DesusuFire       200       32       320       4       1020kg	Raptor (sm)	120	86	220	8	1050kg	
Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (lg) 250 132 500 2 860kg Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	Spectre (m)	160	68	400	4	800kg	
Muramase (m) 36x6 132 120 4 1120kg Uisukaaankuru (lg) 250 132 500 2 860kg Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	Wipan (m)	170	106	480	4	960kg	
Uisukaaankuru (1g)       250       132       500       2       860kg         Typhoon (1g)       280       144       700       2       1020kg         Odin (1g)       38x10       156       140       2       1180kg         LAND MINE DISPENSERS         Karakara       62x10       32       120       4       980kg         DesusuFire       200       32       320       4       1020kg	Muramase (m)	36x6	132	120	4	1120kg	
Typhoon (lg) 280 144 700 2 1020kg Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS  Karakara 62x10 32 120 4 980kg DesusuFire 200 32 320 4 1020kg	Uisukaaankuru (lg)	250	132	500	2	=	
Odin (lg) 38x10 156 140 2 1180kg  LAND MINE DISPENSERS  Karakara 62x10 32 120 4 980kg  DesusuFire 200 32 320 4 1020kg	<del>-</del>				2	=	
Karakara       62x10       32       120       4       980kg         DesusuFire       200       32       320       4       1020kg	==					=	
Karakara       62x10       32       120       4       980kg         DesusuFire       200       32       320       4       1020kg	IAND MINE DISDENSE	<b>9</b> Q					
DesusuFire 200 32 320 4 1020kg			20	120	Л	0001-~	
						=	
венешогн 38%8 32 100 4 980kg						=	
	benemoth	JXXX	32	100	4	У8Ukg	

Rojya	60x12	32	120	4	940kg
Vulcan	40x12	32	120	4	1020kg
AERIAL MINE DISP	ENSERS				
Avalanch	64x12	32	120	4	940kg
Kraken	200	32	320	4	1020kg
Whisper	38x8	32	100	4	980kg
Forest Fire	80x18	32	240	4	860kg
Valkyrie	34x8	32	120	4	1020kg
GRENADE LAUNCHER					
Sonic Blaster	20	32	60	8	672kg
Jamming Fog	30	32	100	4	512kg
Earthquake	20x8	68	100	4	1120kg
Porabea	20x8	68	100	4	1120kg
Flying Decoy	20	32	200	4	432kg
BOMBS					
Lucifer	40x16	0	200	24	1296kg
Myoruniru	220	0	240	24	1392kg
Belzebub	68x16	0	60	24	1584kg

#### ARMOR

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Def - Defensive Strength

HeatD - Heat Dissipation Efficiency

SWght - Material weight

TWght - Overall weight

	Def	HeatD	SWght	TWght
10mm	5	5	10kg	250kg
20mm	8	5	20kg	500kg
30mm	11	5	30kg	750kg
40mm	14	5	40kg	1000kg
50mm	16	5	50kg	1250kg
60mm	18	5	60kg	1500kg
70mm	20	4	70kg	1750kg
80mm	22	4	80kg	2000kg
90mm	24	4	100kg	2500kg
100mm	27	4	120kg	3000kg
120mm	30	3	160kg	4000kg
150mm	35	3	200kg	5000kg

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#### ARMOR COATINGS

Anti-Armorpiercing Armor - Protects against assault guns and shotguns Anti-Explosion Armor - Protects against missiles and rockets

Anti-Beam Armor - Protects against beam guns

Anti-Thermal Armor - Protects against heat damage of weapons

Anti-Stun Armor - Reduces chances of being stunned

Lightning Armor - When grappled, stuns the enemy

Energy Formation Armor - Weak energy regeneration

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#### OPTIONS

<sup>\*</sup>explanations coming soon, quoted options are literal translations

Inteference Device (ECM)
Fuselage Repair Device
Fuselage Cooling System
Destruct System
Backup Energy Tank
Acceleration System
Radar Enhancement
"Running Fire" Device
Shield Generator
Gravity Deflector - Gravity field deflects incoming warheads.

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MISCELLANEOUS INFORMATION

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Related Links

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http://www10.atwiki.jp/chp/pages/1.html

Is a wiki mini site devoted to Carnage Heart Portable. It has empty links for other CH games but there is a lot of information about CHP here.

http://www2s.biglobe.ne.jp/~apa/game/ch/

Both Carnage Heart and Carnage Heart EZ are covered at this site. There doesn't seem to be any info here from later CH games.

http://www2s.biglobe.ne.jp/~apa/game/zeus2/

Well, okay, so there is some Zeus 2 information up here as well. Cheeky!

http://everything2.com/index.pl?node\_id=1176385

Takes a while to load but someone with too much time on their hands talks about Carnage Heart programming.

http://raketta.blogzine.jp/blog/2006/08/chp 1fb4.html

If you're having trouble beating that last battle in Scenario Mode (there's no reward except story, btw) then you can use this guy's CHPs. I've not tried them myself but he claims that this team beat the last boss for him.

http://homepage3.nifty.com/streets/game/zeus/zeus\_main.html
A page devoted to Zeus.

http://club.genki.co.jp/jupiter/ Genki's CHP uploader/Downloader.

http://www.genki.co.jp/games/carnage/

The official webpage for Carnage Heart Portable.

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Controlling the Target Drone

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You can control the target drone OKE (to the left of your OKE list). Press START while in-battle to see a list of controls. As of yet I know of no way to control other OKEs.

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Translated from a Japanese CHP site.

Assault Beam and Pulse: 150~200 Napalm and Explosion bullet: 100~150

Shotgun: 80~120 Cannon: 200~250 Rail: 200~300

Small Rocket: 100~150 Medium Rocket: 150~200 Large Rocket: 200~250

Small Missile: 150~200 Medium Missile: 300~400 Large Missile: 450~500

Karakara: It explodes within 25m
DesusuFire: Pursues within 40m
Valkyrie: Snipes within 40m

Maximum Elevation of Armament 1

I have not verified this data which was translated from a Japanese CHP site.

OKEs with (\*) are measured given Armament 2.

Blockhead: 80 degrees Necroni: 25 degrees (\*)

Jeira: 60 degrees Eggnog: 40 degrees

Twill Shadow: 70 degrees Rusty Nail: 90 degrees Noranda: 30 degrees (\*) Torinka: 70 degrees Moon Shadow: 85 degrees

Multi legs

Cemetary Keeper: 30 degrees

Park Dog: 30 degrees Grasshopper: 80 degrees Arakune: 45 degrees

Dark Boundary: 45 degrees

Hades: 35 degrees

Hover

Chickenhawk: 40 degrees

Tripod: 90 degrees

Dark Coffin: 30 degrees Mariaerene: 45 degrees Anubis: 30 degrees

Vehicle

Bad Dream: 20 degrees Rockin: 60 degrees Basilisk: 25 degrees Hoi Recon: 25 degrees Angurif: 70 degrees

Flight

Fried: - Degree of 40~25 Lotus: - Degree of 85~10 Priest: - Degree of 85~45 Mokin Bad: - Degree of 20~30 Chaika: - Degree of 60~30

Target drone: - Degree of 60~60

EOF

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