

Extra

type
score 1/10
speed x
speed y
direction x
direction y

Player
Left Move
right Move
Shots Key
Speed

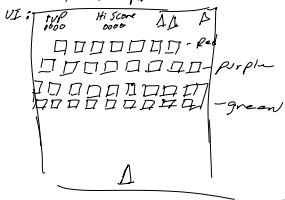
Bulter
is Active

High Scores 11.95 of high scores

```
Public:
void LoadScores
void SaveScores
void AddScore (int score)
void SortScores ()
bool IsEmpty()
const std::list<int> GetScores()

Private:
list<int> scores
```

GamePlay: ^{Have window} IN LANDSCAPE for more room for energy



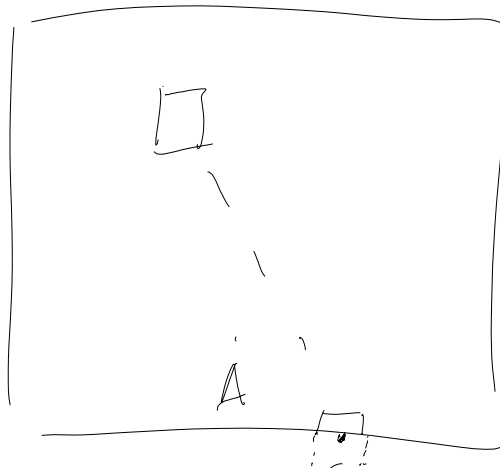
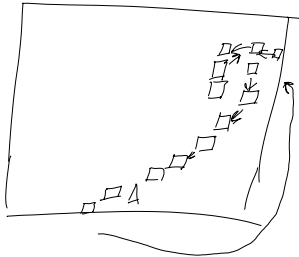
green (pawN)

Will come at player from either side with forked green in same col as kny.

Movement is in circular motion to right if laying protractor, motion to left if left to.

As soon as clearing bottom row will drop bomb's rapidly as moves towards player's position in diagonal.

IP does not get shot, and clears
bottom of screen, returns BACK to
original spot



Choose ATTACK

further left / Right Column?
- 1, 3, 4 of carries 1 or 2

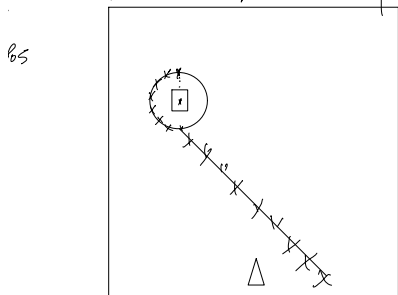
→ Closest to center?

Direction $\rightarrow (1, -1)$
if $1 \rightarrow$ use 10. Or

if $\ell = 1 \rightarrow$ use left.

entrances - group moves side, side

ATTACK -
 Choose which enemy(s) will ATTACK
 Assign enemy (position, velocity)
 Decide direction of swoop (?) [left/right]
 Choose 1 enemy from other side of player
 Move enemy along line (current pos, direction)
 Drop bombs in path to collision
 If not hit enemy reaches end power
 Enemy moves to 1.5 times last spot (summoner)
 Once enemy done 1.5x player pos, throw in grid



Plot half circle from starryos

When $\theta = 2\pi$:

Plot line from current pos \rightarrow exhibit

set Original Position

```
find X = Spherical.x + (attackRadius * cos(attackAngle) / attackRadius)
```

find $y = \text{StartPosition.y} + (\text{track Radius} \# \sin(\text{attackAngle}) / \text{attackRadius})$

$$m = \frac{y_1 - y_2}{x_1 - x_2}$$

States:

NOT ATTACKING

ATTACKING

Move to circle's edge

Track circles edge 180°

Move / ATTACK Player ~ ATTACK

move

CIRCLE

ATTACK

Soes: IP enemy hits wall, confuses attack
 so doesn't go to return and instead

Leipzig SATe

Original position -

Original position -
 Set enemy (original position x , Screen height $(\text{enemy Height} \times .5)$)

Decrement $V[\text{int}'] \leftarrow \text{originalPosition}$

1st PLAYER IS TO TRY TO WIN BY

BACK SPACE NEEDS TO CHANGE

DATA ELEMENTS (3) TYPES -
ONE SIDE-SIDE ✓

ACK -

AFTER SHOOT / IMPLEMENTATION ~~BETTER~~

EMY SHOT / PLAYER COLLIDE W/ ENEMY

PLAYER SHOT

ANIMATION

1st - ENEMY

IS ACTIVE -

if (isActive, move up)
if (y > screen height)
isActive = false
if (isCollided (enemy))
enemy.isActive = false
this → isActive = false
if (shoot && isActive)

ENEMY ATTACK
REALLY OTHER ENEMIES

LORE

HIGH SCORE SCORE

FLASH SCREEN

W/IT CODE

INFLUX LINE ABOVE ENEMY!

START VALUE 150% ENEMY!

ATTACKS W/ ENEMY 3

enemy 3
□ □ □ □ □ □ □ □

(
□ □

ATTACK INDIVIDUAL ENEMY V.I.O

MUSIC

enemy attack ✓
enemy die ✓
score ✓
player die ✓
next level ✓
3 lives (and counting) ✓
high score ✓
splash screen ✓
menu screen ✓
background? ✓

Nice

ROTATION ANIMATION
die animation

Player die animation

High Score ADD INITIALS

AUDIO (NOT LIKELY)

* FLAGS for levels

BACKGROUND ANIMATION

Player is Collided Top

Player is Collided Top + Base

set Player Y to other Enemy

Player Die

Wait until ATTACK OVER
until START timer...

GAME
OVER

<Press ESC to go to main menu>

enemies

2 SLIPS

Point VALUE 300% enemy!

ATTACK W/ enemy 2

Player Death

Player Collides with enemy or enemy bullet

if playerlives = 1

END GAME STATE

if playerlives > 1

playerlives --

pause for X seconds with enemies group moving and
Attack timer stopped

then begin level in state where player was killed
Player in center

Enemy Attack timer starts again

