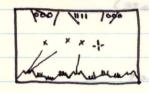
Keep in mind items * version for Bally handle?

Summary of actual game (2009) come (2009)



RED - Score, missle trail, Planes + satellites

Blue - cities, outgoing missles, cursor

Black - Background

Yellow - ground (the extra color)

(COP RECENCE GRAVE) 2

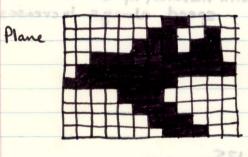
WHITE - missle heads, X left by cursor,

Clouds (Black where overlap patterns!)

(control color - clouds active, heads + xerosed before

checking for intercept - then replaced)

PATTERNS

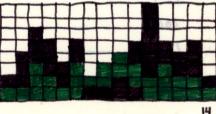


floating Cursor

AHACK MISCLE

missle marker (Blinks)

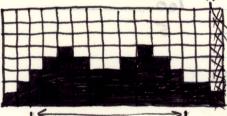
city



Smart missles and satellites to be redesigned

Denks Prints

Base



Bottom 10 Pixels will show # of Missles

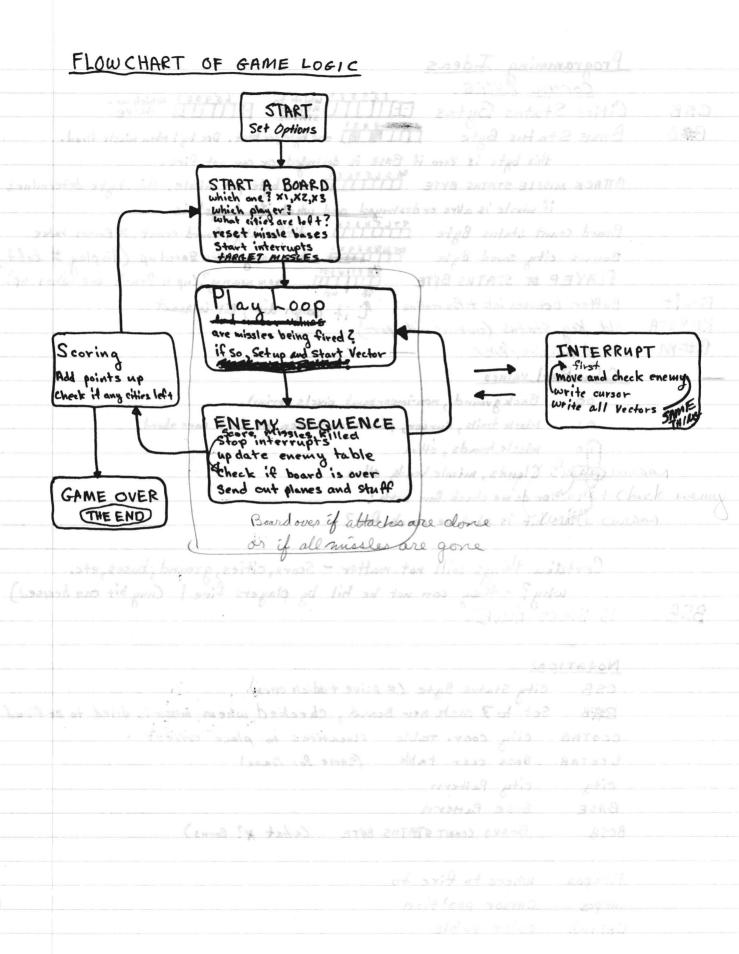
WRITING TO SCREEN bound and storing and storing

Score, missle count, other? does not have to be in interrupt

```
Board Sequences (OF ARCADE GAME)
 X 1
       - 12 missles, I wave, No Planes
      - Iwave, 3 planes (Poss.)
 XI
 X2 - 2 waves, 4 planes (poss.)
 X2 - I wave, 2 planes, faster (visible increase)
      - Lwave, 3 planes
 X 3
 x 3
      - 2 waves, 3 planes, 1 smart ass
 X4
      - 2 waves + trailers, I smart ass, splanes
       - 1 wave traders planes, 2 smart asses
 ×4
       - Quaves, 3 planes , 3 short asses
 X 5
 X5
       - 2 waves, 3 planes, 4 smart asses
 ×6
            Bawaves max (sometimes with trailers), up to Borlo smart asses, 3 or 4 planes max, speed always increases
 X6
  Point Values
       intercept points
             Smart (ass) missles
             Killer satellite
                                       100
             Bomber
              Attack Missle
       Bonus Points
              Soved cities
                                       100
              unused missles
                                        5
 Bonus cities every 10,000 points
  take 3 cities max per turn
```

Idea? Give points for saved cities?

Show Extra cities saved



Programming Ideas FLOW CHART OF GAME LOGIC Cities Status Bytes FIIIII AFFRENCE FIIIIII Which are CSB one byte per base. Dec by I when missle fired. B#B BASE Status Byte this byte is zero if BASE is destroyed or can not five. ATTACK MISSLE STATUS BYTE TITITITI one byte per missle. this byte determines if missle is alive or destroyed and what its target is difficulty, Board count, X Bonus Value Board count status Byte (display # left !)

(1) | 100 many cities saved up (display # left !)

(1) | 100 many? (up to four) and whos up? Bonns city sowed Byte PLAYER # STATUS BYTE Fireit Buffer Between int. + Fire routine 1 it player dies, Bit is recet KEYSTA old key status (compaire with port) B#M # of missles / BASE Color Pixel Values gu staleg bli + tol with your to stocks 00 Back ground, non important pixels (trim). Missle trails, cursor, pixels on screen we don't care about . Score missle heads, other Clouds, missle heads other is broad ? or do we check for both ? to but souly two base GAME OVER this bit is what we check for? (THE END) Certain things will not matter - Score, cities, ground, bases, etc. why? - they can not be hit by players fire ! (any bit can be used) BSB IS BASES ALIVE ? NOTATION City Status Byte (# ALive + which ones) CSB Set to 3 each new Board, checked when missle is fried to be aired BAB City coor table (Locations to place cities) CCOTAB Base coor table (Same for Base) & CO TAB city city Pattern BASE Base Pattern BOARD COUNT STATUS BYTE (what x? Bonus) BCSB where to fire to Five pos

Cur pos

Coltab

Cursor position

color table

Detailed logic flows

Checking if button is pushed

From Cursor movement

Check from first base, fire? Can it fire?

YES - load base + cursor values, leave marker x, DEC missle count

NO to Start vector (limits, deltas, etc.)

Check from third base, fire? Can it fire?

Yes - load base + cursor values, leave marker x, DEC missle count

NO to Start vector (limits, deltas, etc.)

Check from Second base, fire? Can it fire?

Yes - load base + cursor values, leave marker x, Dec missle count

No to Start faster vector (limits, deltas, etc.)

FALL INTO CHECK ENEMY TABLE

ENEMY TABLE

update all missles (vectors), did any hit am deadly pixel?
Plane start?
Plane movement
Smart bombs
has player used all missles? YES-DI and finish enemy table

Scoring (two parts - 1, enemy killed durring play 2. what's left at end of board)

- Inc Score when a missle is stopped, Plane is stopped, Smart bomb, etc
- 2. load reg. with <u>City</u> value

 Make it times bonus

 Check if cities left YES Add score No-Nowe Left? end game

(SAME IDEA FOR UNUSED MISSLES)

TNEAS

	IDEAS 2001 sipol belieted	
	USE DY with Reverse delta and Norrow Boundarys	
	From Carsor Movement Check from first base , fire? can it fire	
+ 4400 3/22/		
	MAX ERASE SPEED?	
tamas alsoins	what Ax + A 4 and Time Bose will prose fully?	
tano alzim se	BYTE controlled difficulty level - 23	
	8 levels of difficulty? Have a table of explosion patterns, and difficulty will be determined by how for you enter the explosion table.	
5 1	Devided of the party and pit on deadly bixets	urite rase
	Scale X.Y Joystick inputs Bit set will provide limits for screen movemen	+
aldm	Normal BALLY HANDLE	
/ Inve	Make a version to work with Normal Bally handle 729.95? More Scoring ideas	
st.	Continoidly write scores to screen. (AFTER ALL OTHER) SCORE! Player 3 textus BYTE will point to current player. Score 2	24-PSB
	check to see if Score >10000 if yes Score3 \ add 10000 to check and give bonas = ity Score4 \ From playloop?	
2 MADE	Check it cities left 185- Add score 100-None left and a	

(SAME IDEA FOR UNINSED WISSLES)

SCREEN WRITE	E FORMAT		
ERASE		write	
4 MOVE	OR	ERASE	
nter here WRITE		move	INTERMPT
		WRITE	
TAPE LOAD FO	RMATS	ERASE	
1. Basic Program	Attrack W	lode with inst	ructions
falls into : P	KUN (tape	must be Stopp	ed)
Basic Program	will set color	ports, lines to d	isplay setc.
2. Just : RUN			•
Volce	ISIC)	:
INTERRUPTS if ACTINT:	used, Set time	meant counter	to 255
Stack Where will it	go, where w	ill it go?	
Need RAM? Spare RAM is	in unusED S	545 PAM Ron1	INE AREA
Screen Size Joy sti	<u>ek</u> range Screen	64 × 128 102 × 160	
SCORE IN 148 HH Prog. + 5	160 3X5 6126 17 cratch		

IDEAS

SCREEN MENTE FOR indicate low misles by changing color of mible base (Rewite with different pottern)

STEAL the interrupt hundler from Football

1. Basic Program Attract made with instructions

INTERRUPTS (baggets of team aget) LENG: ohis allow

we can do 2 (two) SCREEN MOVEMENTS PER INTERCUPT

MAYBE 31F WE SEPARATE INTS. CANS! FEAT S

INT I

LOOK AT KEYS DO 3 SCREEN MOVEMENTS, ENDISOISE SENT

MOVE + cursor

MUSIC Stock (Where) STAT ROT

Dext LO HL, CHRVEC HEF CHITENT VECTOR DECMAND STORE STOREM

JP P, JMP did we go to zero?

BMUSIC

LD (HL), # of total VECTORS Reload

LAS IS VECTOR BETWE? Jus

JMP LO C, (HL)

LO HL, VECTAB

has will it go , who , & ill'sit go?

ADD HLBC

ADD HL, BC SMAR book

Some Ram is in unlawyA Syda RAW Romanie AREA

LD HI(HL) SSIZ MESSOZ

201 × 120 LyAmor Noite ust

INC HL Points to vector STATUS

Bit 3,(HL)

JP Z, Next

I make it mamove CALL

Next till 3 are done!

PROGRESSIVE EXPLOSIONS	
4 levels of missles/explosions for player	
4 levels of missles/explosions for player Reserve 4 VB's and 4 explosion areas	
	OINK
if player tries to fire missle see if VB is open III You then use it, no then OINK	
Ven	
VEN VEN	NO HELD ONE
CALL OINK	e care (max)
Explosion Bytes	Sugar.
1 X Po5.	NBW5
2 T Pos.	18M4 18M4
3 Current Status (which explosion to display)	1 Ves
\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	2
Pattern to use # of interrupts?	3
O O Write 1 OO WRITE 7	4
10 BE 153	<u> </u>
Prase all	EX3
مرير	EXT
Display Counter	
Disting! COMMED!	

debounce cursos more?

	VECTOR BLOCK EXTENSION	NS IDEAS
0	WAG/C	use distroied patterns?
1	STATUS	use carbons
2	TIME BASE	USE CRADERS AND ROCKS!
3	Selta	
4	13-61-1-00-	-
5	Position	
6	102,1,003,	
7	x cimit	
8	del+a	A 1
9	4000	
10	Position	b w
11		•
12-	Y Limit	• • • • • • • • • • • • • • • • • • • •
13	POSITION	and the state of t
14	}	
15	EXPLOSION POSITION	
16)	A Same of the same
(7	ANIMATION COUNTER	
18	TABLE	
19		

