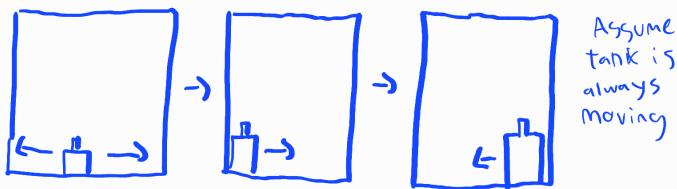
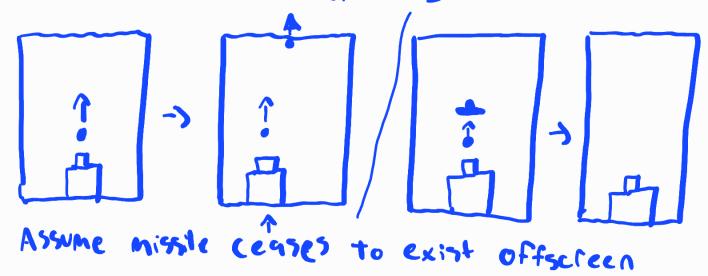
# Domain Analysis for Space Invaders:

### 1. Sketch Program Scenarios:

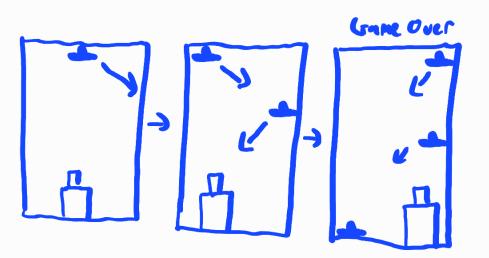
Tank marenent:



Missile Movement/Space Invader Interaction:



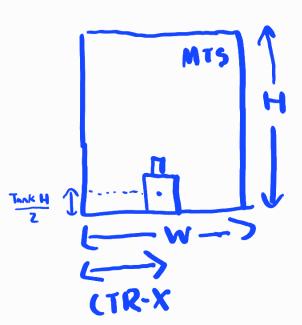
### Spore Invender Movement:



Assume a game over once space Invuder reaches floor.

Invaders always move at a 45° angle

#### Background:



Assume Screen starts with only the tank at LTR-X Assume tank y-coordinate to always be Tank height/2

## 2. Identify Constant Enformation!

Wilth
Height
Space Invader speed (can be broken into xord)
Tank speed
Missile speed

[ Rate of Invader appearance

Background
Space Invader IMG
Tank IMG
Missile IMG

CTR-X

Tank y-coordinate

Missile hitbox

# 3. Identify Changing Information:

Tank x-coordinate
Tank direction

Time (for invader conte

Invader x-coordinate
Invader y-coordinate
Invader direction

[missile x-coordinate missile y-coordinate Including
positions of
all game
components

[ game status (game over or currently ongoing)

## 4. Identify Big Bang Options:

On-tick
to -draw
on - key
stop-when