# INTRODUCTION TO GAME DESIGN

CSD2511 - Week 09

Lecturer . Danielle Fong

Lecturer . Dr John M Quick

Lecturer . Jonathan Kwek

#### Before we begin

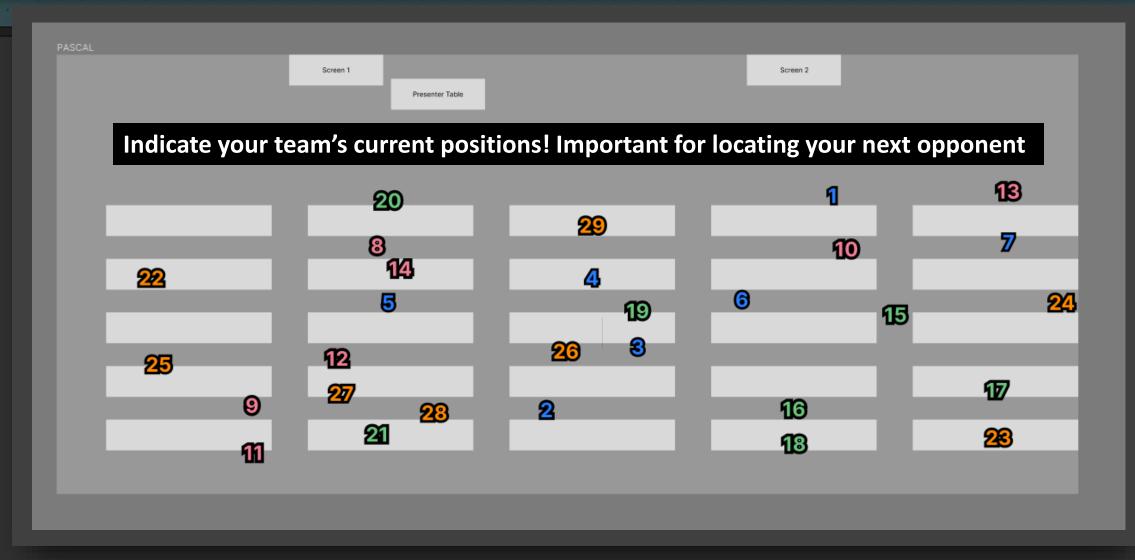
- Use the first 15 minutes to settle in
  - Sign your attendance
  - Log into your workstation
  - Log into Moodle, specifically CSD2511 module
  - Log out from your game, application, communication, chats
  - Prime yourself physically for the next hour, ie. Finish your food,
     fill up your water, visit the restroom, get comfy
  - Prime yourself mentally for the next hour, ie. Recall what happened during last week's session, put a save point on any ongoing conundrums, meditate on what to do this morning

#### Today

- Lab activity 90mins
  - > 2 rounds

- Pandemic (Homework)
  - Online: <a href="https://tabletopia.com/games/pandemic-north-america">https://tabletopia.com/games/pandemic-north-america</a>
  - Print&Play: <a href="https://images.zmangames.com/filer\_public/48/20/482039b2-4b30-4fe9-9cf8-63ba8badc306/pandemic\_hotzonena\_printplay.pdf">https://images.zmangames.com/filer\_public/48/20/482039b2-4b30-4fe9-9cf8-63ba8badc306/pandemic\_hotzonena\_printplay.pdf</a>
  - Solo Rules: <a href="https://images.zmangames.com/filer\_public/7c/6e/7c6eba67-ad9a-4690-a93d-791ffe094c24/hot\_zone\_solo\_rules.pdf">https://images.zmangames.com/filer\_public/7c/6e/7c6eba67-ad9a-4690-a93d-791ffe094c24/hot\_zone\_solo\_rules.pdf</a>
  - Rule book: <a href="https://images.zmangames.com/filer\_public/28/27/282708b6-502a-4112-abbb-2623349d0fe3/pandemic-hotzone-na\_rules.pdf">https://images.zmangames.com/filer\_public/28/27/282708b6-502a-4112-abbb-2623349d0fe3/pandemic-hotzone-na\_rules.pdf</a>

### Today

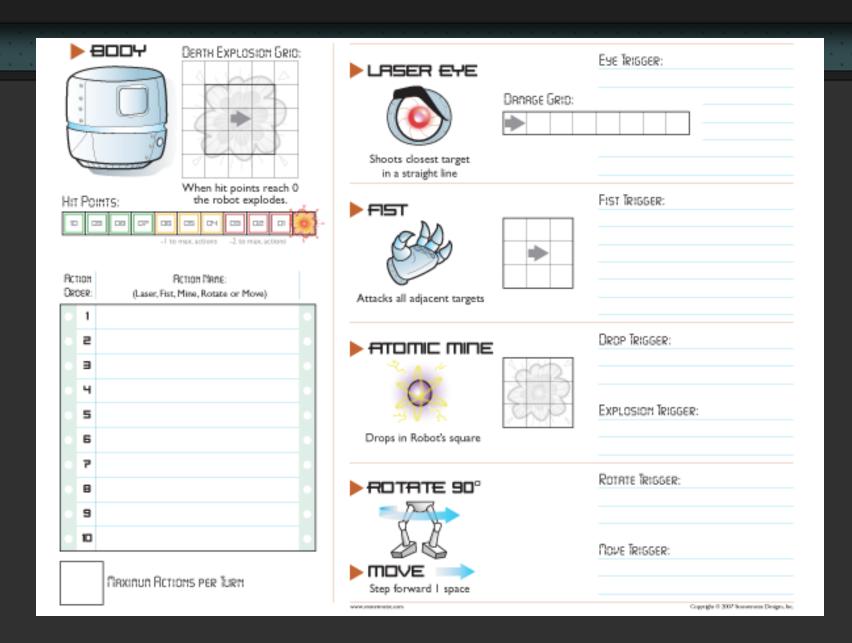


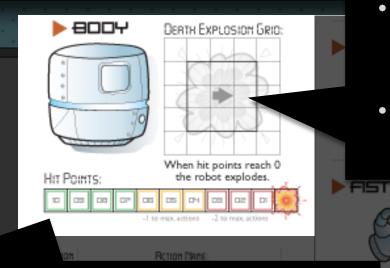
US vs IT

Let's Play

#### Let's Play – Stone Librande's "Us Vs It"

- "Program" a BOT to fight against!
  - Strive for DRAMA, not for easy wins
- As a team, fill up the bot's <u>programming sheet</u>
- (ROUND 1)
  - Set up the bot on the board
  - each team member controls a TANK to destroy the bot
  - Take a picture of your programming sheet
- (ROUND 2)
  - After a match, TUNE the bot's programming
  - Test it again!
  - Take a picture of your programming sheet
- Upload your programming sheet to FIGMA





 When the bot's health reaches zero, it explodes! Colour in the squares that represents its blast area

DROP TRIGGER:

You may write unique damage values in each square

- Bot's health counter starts at 10
- Game ends when it reaches 0



adjacent targets

DMIC MINE



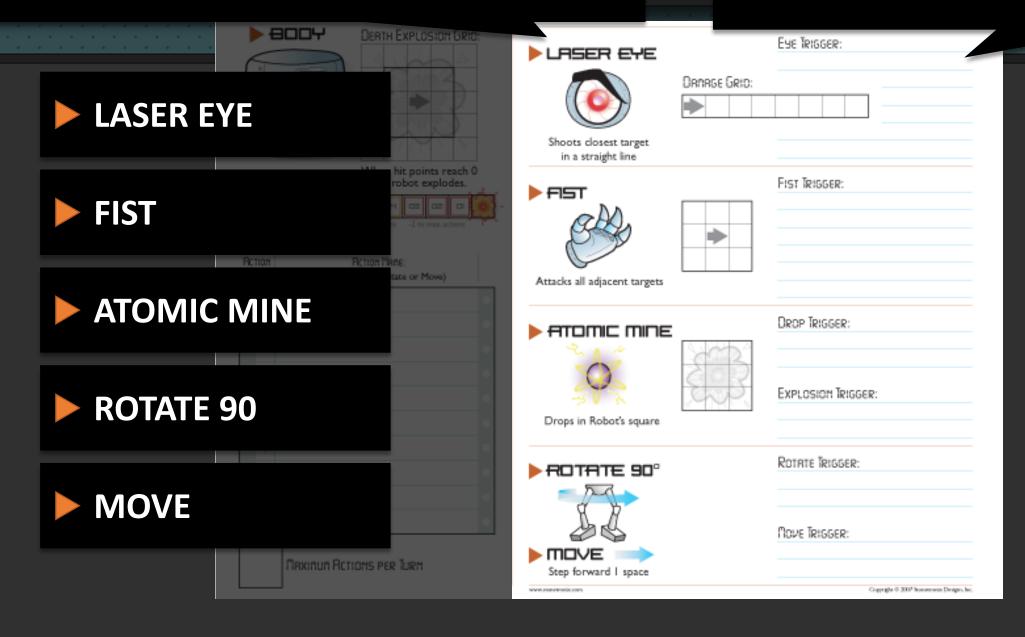
- Fill up all 10 actions using the action list on the right
- Actions are carried out in sequential order, 1 to 10



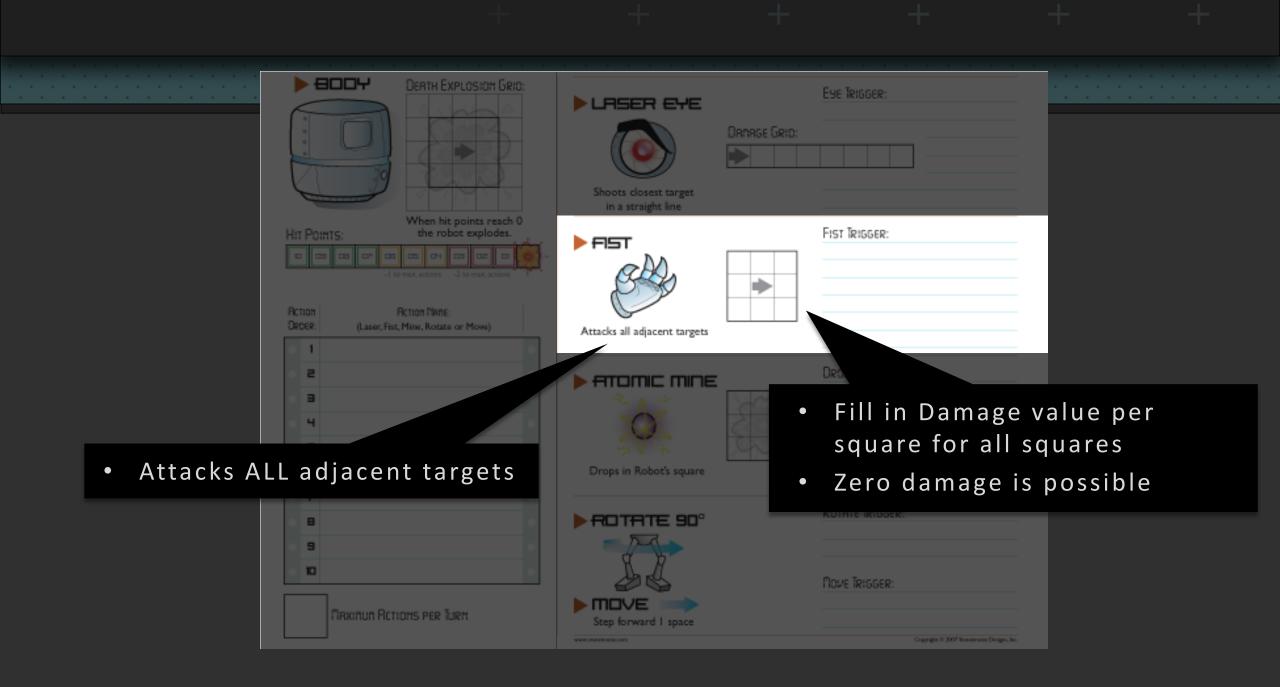


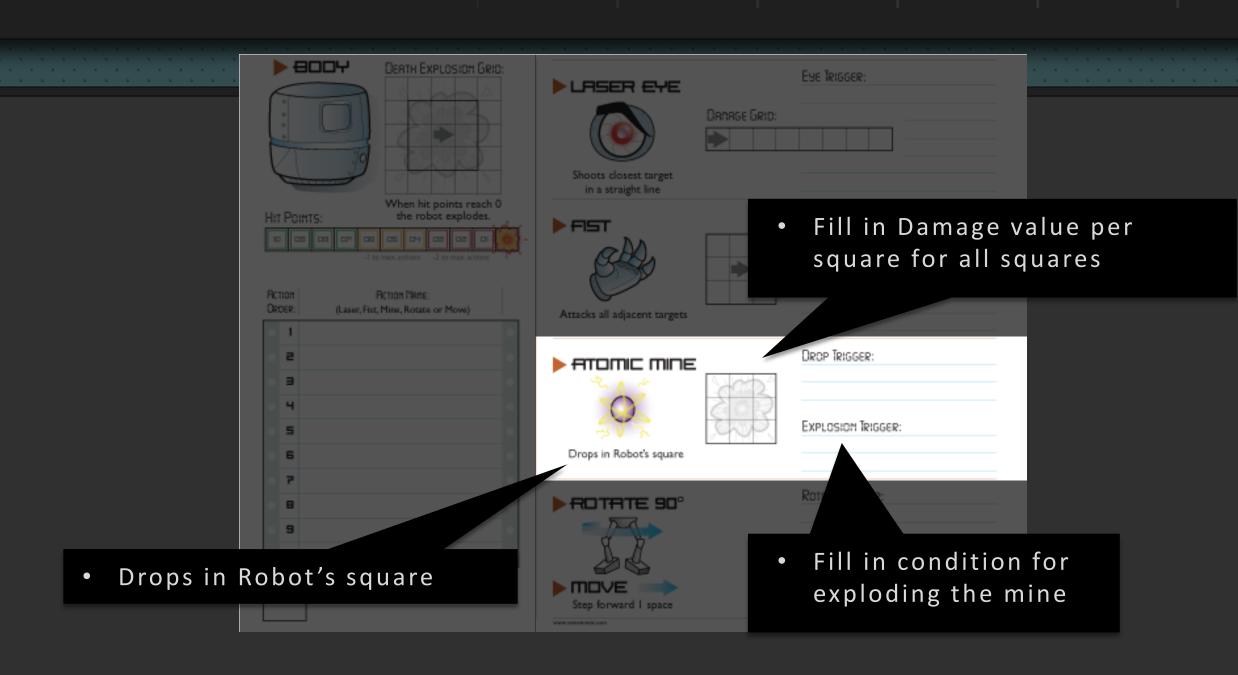
 Limit the number of actions the bot can take in a single turn  These are the only 5 possible actions for the action list

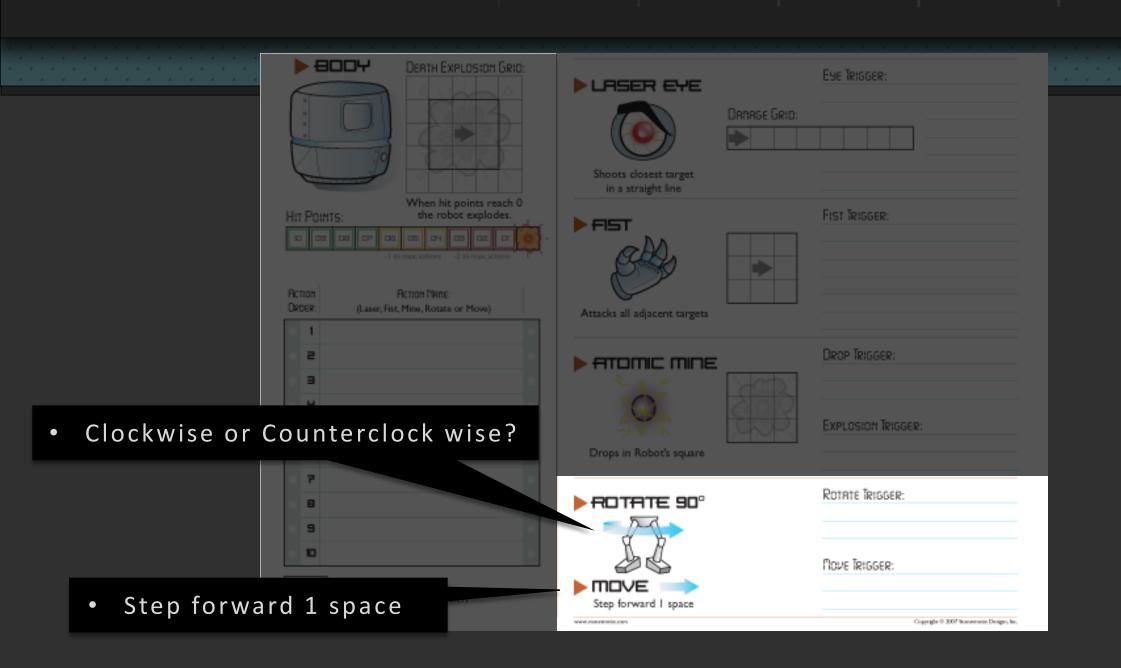
 You may set auto-triggers for the actions



















니유단 HIT: I hit = Stun, miss next turn 2+ hits = Destroyed









OAMAGED

THILK
Pick TWO ACTIONS per tank:
A) Shoot in a straight line
B) Move forward
C) Rotate 90 degrees

TAX SPEED:

N

**●** II -

UNER HIT.

I hit = Stun, miss next turn

2 hit = Damaged (flip tank over)

3 hits = Stun + Damaged

4+ hits = Destroyed NORMAL

		1-10	
			1/2
3//(^0 ≠/03/-)(		1 3 3 V	
HOBOT START		A M	
ӵ		A A G	
2/2/3 14/8/3	A.E.	747	DE J
1/4			75(4)
7.7/			Ly)
			4.71

**₹□□□**Each turn the robot attempts to perform the actions on his list in order from 1 to 10.

Look at each action and determine if it triggers. If it does then perform that action and the robot uses I of his action points.

Continue performing the actions on the list until the robot reaches his maximum actions per turn or you reach the end of the list. The robot's turn ends.



























































































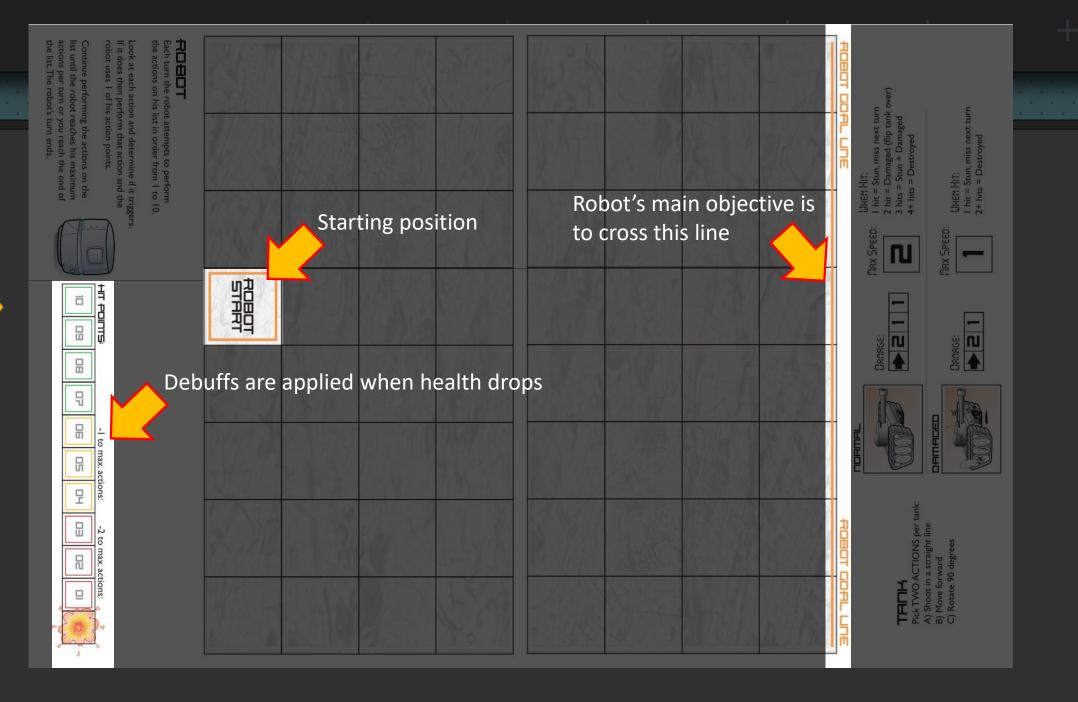




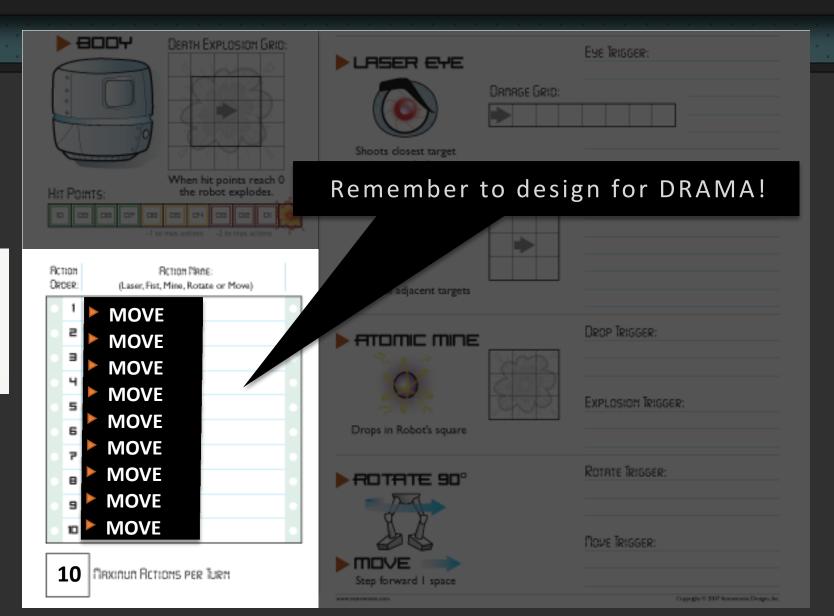




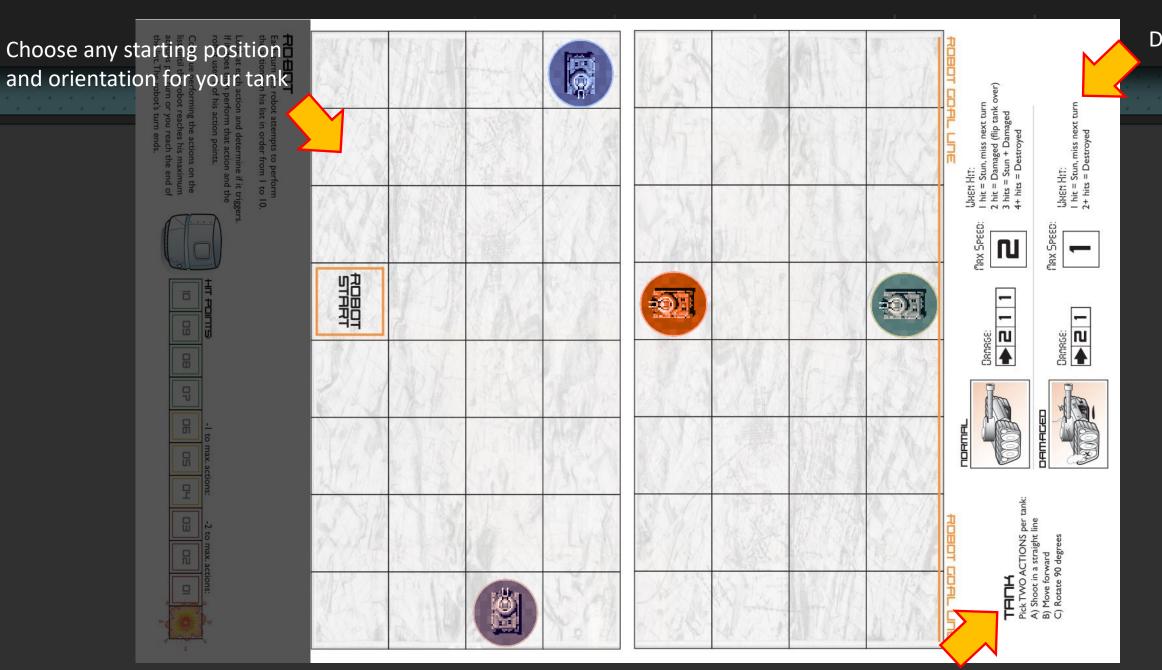












## 

- Session 1 45mins
- Session 2 20mins
- Session 3 Bonus round?

### Let's Play – Stone Librande's "We Vs It"

Upload your programming sheet to FIGMA:

https://www.figma.com/file/xkJyDh6BDVxVTpv34LMzZ9/GalleryWalk?type=design&node-id=0%3A1&t=pk1y6p9BlpElKV63-1