

## Assignment #1

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Course: *Tecnologías Computacionales (Sep - Dec 2022)*  
Professor: *Dr. Edwin Aldana Bobadilla*  
*November 26, 2022*

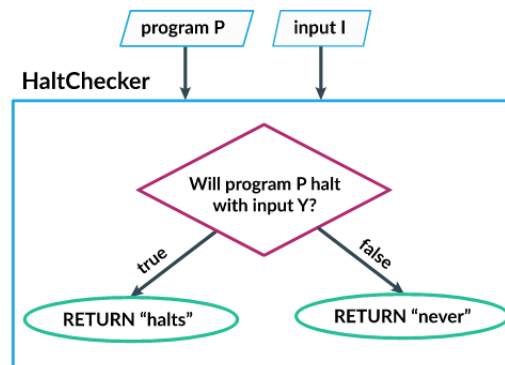
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### Climate-neutral container terminal: How does it work?

<https://www.youtube.com/watch?v=ApMz1-MK9IQ>

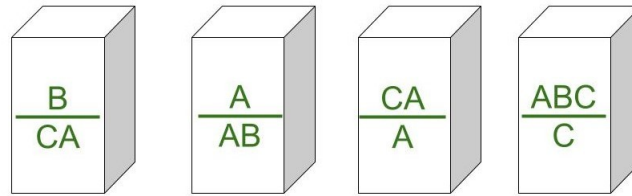
- a
- a
- a
- a

**Why learn control systems at all?** [https://www.youtube.com/watch?v=oBc\\_BHxw78s](https://www.youtube.com/watch?v=oBc_BHxw78s)



**Automation** <https://www.youtube.com/watch?v=XJLMW6l303g>

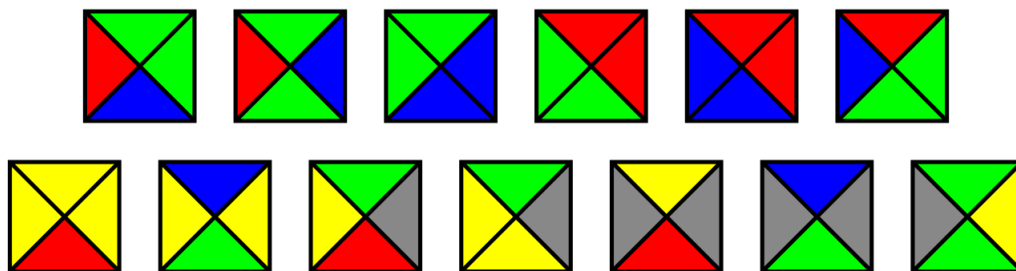
- Domino's Form



- Table Form

	Numerator	Denominator
1	B	CA
2	A	AB
3	CA	A
4	ABC	C

**Tacoma Bridge** <https://www.youtube.com/watch?v=3mclp9QmCGs>



### What Control Systems Engineers Do?

<https://www.youtube.com/watch?v=ApMz1-MK9IQ&t=610s>

1. a
2. s
3. s
4. s
5. s

### Control Systems Lectures LTI Systems

[https://www.youtube.com/watch?v=3eDDTFcSC\\_Y&t=377s](https://www.youtube.com/watch?v=3eDDTFcSC_Y&t=377s)

1. a
2. s
3. s
4. s
5. s

### **The Laplace Transform and the Important Role it Plays**

[https://www.youtube.com/watch?v=VJ9phDRys\\_I](https://www.youtube.com/watch?v=VJ9phDRys_I)

1. a
2. s
3. s
4. s
5. s

**Transfer functions** <https://www.youtube.com/watch?v=RJleGwXorUk>

1. a
2. s
3. s
4. s
5. s