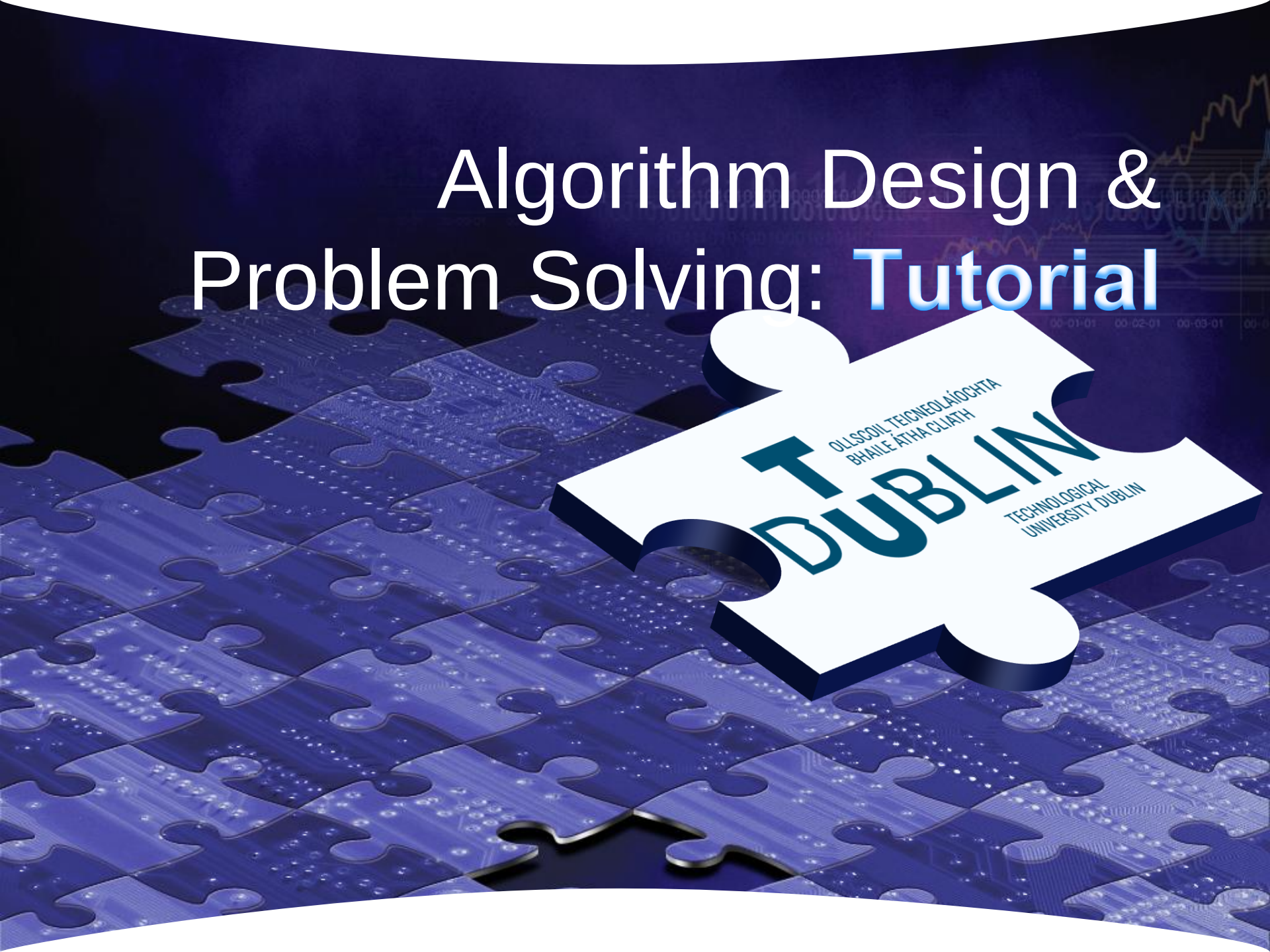
Algorithm Design & Problem Solving: Tutorial



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isPrime

1. **Write an algorithm, to decide whether a number is prime or not.**

Ascii Art Tree

2. Write an algorithm to draw an ASCII "tree":-

Size 4 tree			
Line		Spaces	Asterisks
1	*	3	1
2	***	2	3
3	*****	1	5
4	*******	0	7
5	*	3	1
		size - line	2 * line - 1

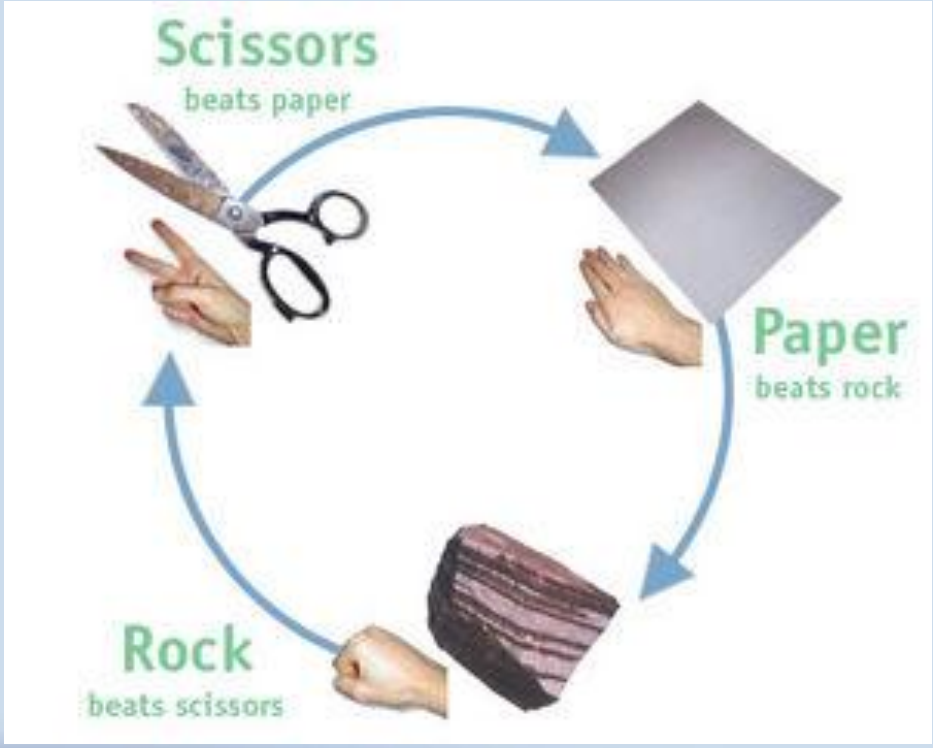
Size 3 tree			
Line		Spaces	Asterisks
1	*	2	1
2	***	1	3
3	*****	0	5
4	*	2	1
		size – line	2 * line - 1

Trunk spacing is always size - 1

Rock-Paper-Scissors

3. Write an algorithm for "Rock-Paper-Scissors"

What are the rules?
What are the inputs/outputs?



Thank You !

OLLSCOIL TEICNEOLAÍOCHTA
BHAILE ÁTHA CLIATH
TU DUBLIN
TECHNOLOGICAL
UNIVERSITY DUBLIN