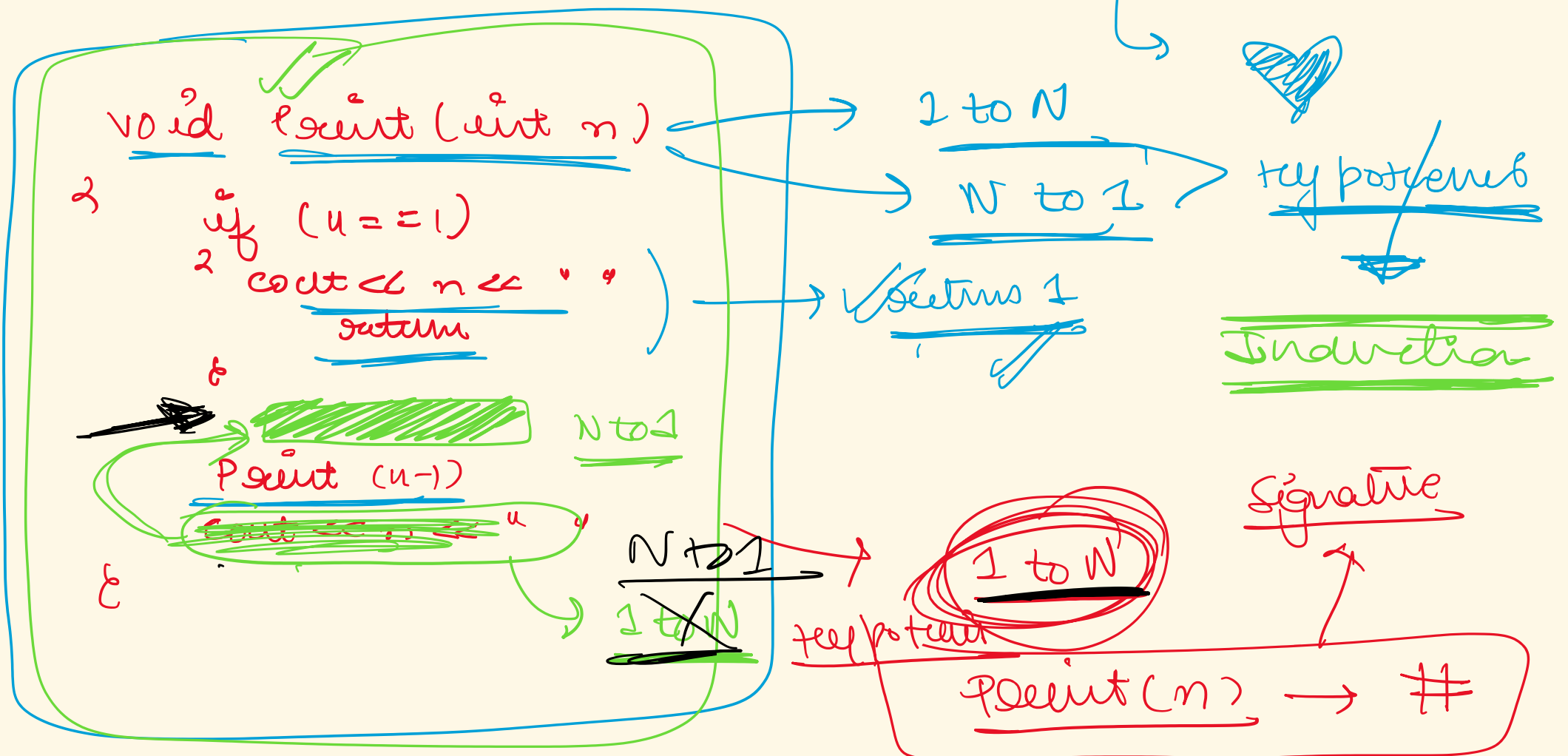


Beauty of Induction + Hypothesis

Thursday, 25 June 2020

12:48 PM

Beauty of Hypothesis and Induction



`print(n)`

`1 to N`

`print(n) → 1 to N`

`print(n-1) → 1 to n-1`

Signature

`N to 1`

`print(n) → N to 1`
`print(n-1) → n-1 to 1`

`N = 7`

`print(7) = 7 to 1`

`print(6) = (7) 6 to 1`

Induction

`void print(n) → 7 to 1`

`if (n == 1)`
`cout << n << " " << endl;`
`return`

`cout << n << " " << endl;`

`print(n-1) → (7) 6 to 1`

`print(n) → n n-1 ... 1`

`print(n)`

Summary

→ Hypothesis → Its Your Rev

→ Induction

`print(n) → 1 to n`

`→ n to 1`

→ Factorial

Notes + code patterns