$$\sigma(z_i) = \frac{e^z}{\sum_j e^z}$$

$$J(A, B) = \frac{|A \cap B|}{|A \cup B|}$$

```
def CoinChange(coins, amount):
 dp = array of size (amount+1)
      with dp[0]=0 and rest=-1

 for each coin in coins:
  for x from coin to amount:
   if dp[x-coin] ≥ 0:
    if dp[x] = -1 or
    dp[x] > dp[x-coin]+1:
        dp[x] = dp[x-coin]+1

 return dp[amount]
```

International Computer Science Competition

$$\delta : Q \times \Gamma \to Q \times \Gamma \times \{L, R\}$$

Deadline
24 August 2025

$$d[i][j] = \min(d[i][j], d[i][k] + d[k][j])$$

$$PR(A) = (1 - d) + d \left(\sum_{\in M(A)} \frac{PR(i)}{L(i)} \right)$$

3x Rounds

Qualification — Aug.

Pre-Final — Oct.

Final — Oct.

Awards and Prizes

Certificates

$1000 in Prizes

Global Recognition

$$H(X) = -\sum p(x) \log_2 p(x_i)$$

$$P(A|B) = \frac{P(B|A) \times P(A)}{P(B)}$$

Open to Students

Participate Now!

www.icscompetition.org