

## Classwork 2

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$$R1 :- w(1,3) \cup w(2,2)$$

$$A \cup B \cup F = A \cup B$$

$$R2 :-$$

$$w(1,3) \cup w(2,2) \longrightarrow (R_2)$$

$$\text{sub} \sim w(2,2) \rightarrow T \text{ in } R_2$$

$$w(1,3) \cup F$$

$$w(1,3) \rightarrow T$$

$$\therefore A \cup F = A$$

we  $w(1,3) = T$ , wumpus at  $w(1,3)$

It is proved

$$\sim w(2,2) \text{ is } T \text{ \&}$$

$$\sim p, + (2,2) \text{ is } T$$

$$\text{safe}(2,2) : \sim \text{pit}(2,2) \\ \sim w(2,2)$$