

Baba Linguistics Department Entrance Examination

Keke















April 1, 2024

1 Baba Is You

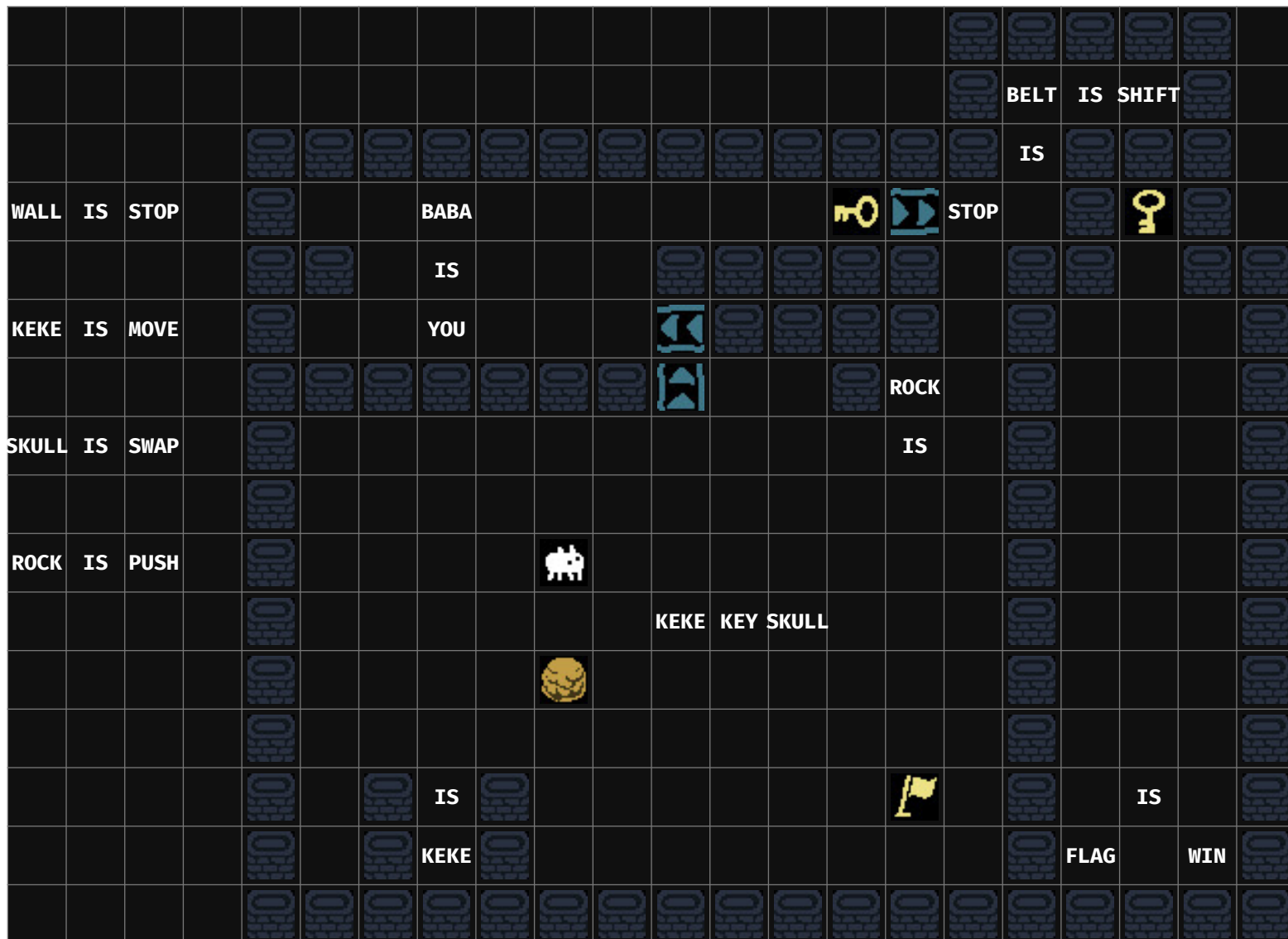
1.1 Easy Level (2 points)

	BELT									
BABA	IS	YOU								
	SHIFT									
										
										
				YOU	WIN					
BELT	IS	DE-FEAT								

1.2 Medium Level (2 points)

												
WA-TER				BABA								
IS				IS								
WA-TER				YOU								WALL
AND				AND								IS
HOT				FLOAT				FLAG	IS	WIN		STOP
BABA	IS	MELT						SKULL	IS	FLOAT	AND	DE-FEAT

### 1.3 Hard Level (2 points)



## 2 Linguistics

1. KEY WITHOUT WATER ON KEY WITH BELT ON BELT IS WIN; BABA IS YOU

Draw one of the simplest state that wins. (2 points)

2. Explain the difference between
  - BABA IS MELT AND SHIFT AND MOVE
  - BABA IS  $\begin{matrix} \text{MELT} \\ \text{SHIFT} \end{matrix}$  AND MOVE
  - $\begin{matrix} \text{MELT} \\ \text{SHIFT} \\ \text{MOVE} \end{matrix}$

And point out which one has a different effect. (2 points)

3. An *infinite loop* is created when the set of rules parses infinitely, causing the game to show an “infinite loop” screen and restarting the level

An example is FLAG IS WORD and  IS NOT WORD

1. Explain why the example causes an infinite loop (1 point)
2. Make an infinite loop using GROUP (1 points)  
(If A IS GROUP, B IS GROUP, and GROUP IS C, then A AND B IS C)