Quiz-2

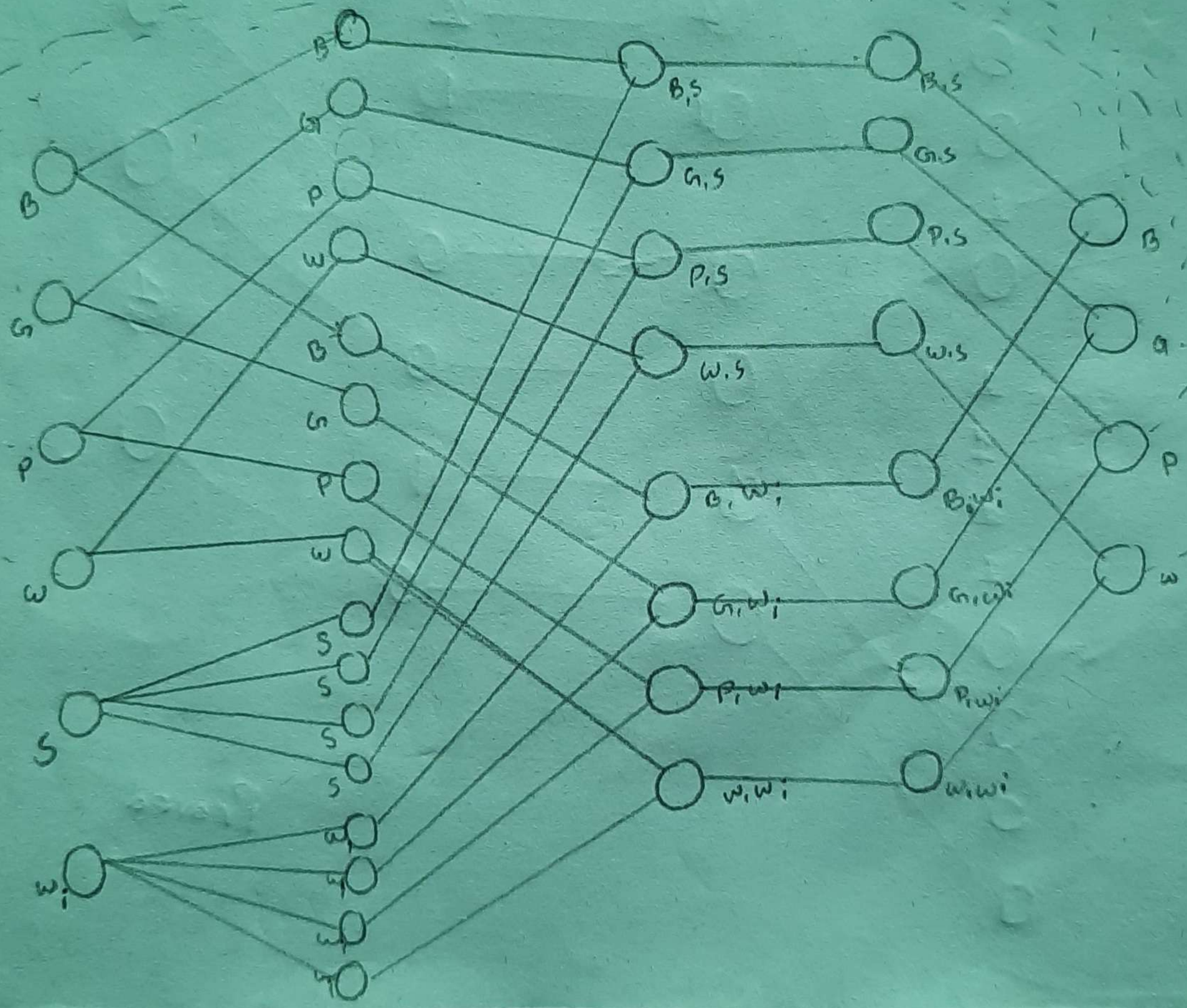
- Inputs = {sunny, windy} = {su, wi}
- Clothes = {Black, white, gray, pink} = {B, w, gray, P}
- Clothes sort in alphabetically = {B, g, P, w}

Pre day	Nxt day
B	g
g	P
P	W
W	B

Sunny

Pre day	Nxt day
B	B
g	P g
P	W P
W	B W

windy



One hot matrix

$$B = \begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \end{bmatrix} ; G = \begin{bmatrix} 0 \\ 1 \\ 0 \\ 0 \end{bmatrix} ; P = \begin{bmatrix} 0 \\ 0 \\ 1 \\ 0 \end{bmatrix} ; W = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 1 \end{bmatrix}$$

$$S = \begin{bmatrix} 1 \\ 0 \end{bmatrix} ; Wi = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$

Proved the theory of RNN. Today is sunny and I wear Pink