|  | A | B | C | D | E | F | item's feature vectors |
|---|---|---|---|---|---|---|---|
| Mưa nửa đêm | 5 | 5 | 0 | 0 | 5 | ? | $\mathbf{x}_1 = [0.99, 0.02]^T$ |
| Cỏ úa | 5 | ? | ? | 0 | ? | ? | $\mathbf{x}_2 = [0.91, 0.11]^T$ |
| Vùng lá me bay | ? | 4 | 1 | ? | ? | 1 | $\mathbf{x}_3 = [0.95, 0.05]^T$ |
| Con cò bé bé | 1 | 1 | 4 | 4 | 4 | ? | $\mathbf{x}_4 = [0.01, 0.99]^T$ |
| Em yêu trường em | 1 | 0 | 5 | ? | ? | ? | $\mathbf{x}_5 = [0.03, 0.98]^T$ |
| User's models | $\mathbf{w}_1$ | $\mathbf{w}_2$ | $\mathbf{w}_3$ | $\mathbf{w}_4$ | $\mathbf{w}_5$ | $\mathbf{w}_6$ | ← **need to optimize** |