

man:woman :: king:?

+ king [0.30 0.70]

- man [0.20 0.20]

+ woman [0.60 0.30]

queen [0.70 0.80]

Word analogy

Solution $b' = \text{queen}$ for $a = \text{man}$, $b = \text{woman}$, $a' = \text{king}$

