Compatibility matrix: $\begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 \\ 1 & 0 & 1 & 0 \\ 0 & 0 & 1 & 1 \end{bmatrix}$ Score matrix: $\begin{bmatrix} 5 & 5 & 4 & 4 \\ 3 & 3 & 4 & 4 \\ 2 & 3 & 2 & 2 \\ 2 & 1 & 2 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}$ Value matrix: $\begin{bmatrix} 12 & 12 & 13 & 12 \\ 7 & 7 & 9 & 8 \\ 4 & 4 & 5 & 4 \\ 2 & 1 & 3 & 2 \\ 0 & 0 & 1 & 1 \end{bmatrix}$

Assigned pets to children: $\begin{bmatrix} 1 & & & \\ & & & 1 \\ & 1 & & \\ & & 1 & \\ & & & \end{bmatrix}$

(1,3) is assigned because they both have the highest score, but the value of (1,2) is 9 and (1,3) is 8, the lowest is chosen which is (1,3).