

| Arbre |       | Gain | Probabilité   |
|-------|-------|------|---|
|       | $P_1$ | 30 € | $\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} = \frac{1}{64}$  |
|       | $P_2$ | 20 € | $\frac{1}{4} \times \frac{1}{4} \times \frac{3}{4} = \frac{3}{64}$  |
|       | $F_2$ | 20 € | $\frac{1}{4} \times \frac{3}{4} \times \frac{1}{4} = \frac{3}{64}$  |
|       | $F_3$ | 10 € | $\frac{1}{4} \times \frac{3}{4} \times \frac{3}{4} = \frac{9}{64}$  |
|       | $P_2$ | 20 € | $\frac{3}{4} \times \frac{1}{4} \times \frac{1}{4} = \frac{3}{64}$  |
|       | $F_3$ | 10 € | $\frac{3}{4} \times \frac{1}{4} \times \frac{3}{4} = \frac{9}{64}$  |
|       | $P_3$ | 10 € | $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{4} = \frac{9}{64}$  |
|       | $F_3$ | 0 €  | $\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4} = \frac{27}{64}$ |