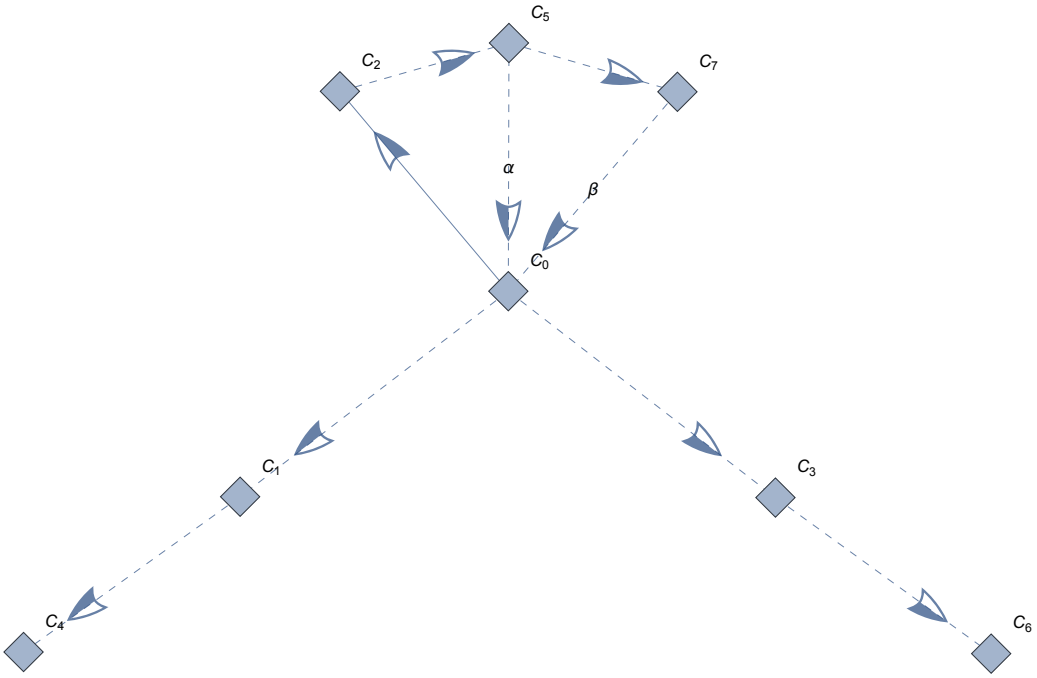
In[1]:=
```
Graph[{C0 ↔ C1, C0 ↔ C2, C0 ↔ C3, C2 ↔ C5, C3 ↔ C6,
  C1 ↔ C4, Labeled[C5 ↔ C0, "α"], C5 ↔ C7, Labeled[C7 ↔ C0, "β"]},
 VertexShapeFunction → "Diamond", VertexSize → Medium, VertexLabels → "Name",
 EdgeStyle → {C0 ↔ C3 → Dashed, C0 ↔ C1 → Dashed, C3 ↔ C6 → Dashed, C1 ↔ C4 → Dashed,
   C2 ↔ C5 → Dashed, C5 ↔ C0 → Dashed, C5 ↔ C0 → Dashed, C5 ↔ C7 → Dashed,
   C7 ↔ C0 → Dashed, C7 ↔ C0 → Dashed}, EdgeShapeFunction → "CarvedArcArrow"]
```

Out[1]=




```
"If one firm chooses OS, the OS FIRM payoff is:"
P - (C0 - C2 - C5 π1 (C2, C5))
"NON-OS FIRM payoff is:"
P - (C0 - α0 C5 π1 (C2, C5) - C1 π (C0, C1))

"If both firms choose OS, their payoff is:"
P - (C0 - C2 - C5 π2 (C2, C5))

"If both firms choose patents, one firms payoff is:"
P - (C0 - C1 π (C0, C1))
"And the others is:"
P - (C0 - C3 π (C0, C3))

"Nash is OS for firm 1 iff"
P - (C0 - C2 - C5 π1 (C2, C5)) > P - (C0 - C1 π (C0, C1))
C2 + C5 π1 (C2, C5) > C1 π (C0, C1)
"and"
P - (C0 - C2 - C5 π2 (C2, C5)) > P - (C0 - α0 C5 π1 (C2, C5) - C1 π (C0, C1))
C2 + C5 π2 (C2, C5) > α0 C5 π1 (C2, C5) + C1 π (C0, C1)
```