. State the dual of the following linear programming problem.

 Minimize w= 6y₁ +8y₂

 Subject to: 2y₁ 5y₂ ≥ 9

 2y₁ + 3y₂ ≥ 11

 7y₁ +2y₂ ≥ 5

With y₁ ≥ o, y₂ ≥ 0.