. 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.