If $P_{1}=9$ and $P_{2}=10$, the following table results.

| $P_{1}=9, P_{2}=10$ | $Q_{1}$ | $Q_{2}$ | Profit 1 | Profit 2 | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Optimal (Firm 1 shut down) | 0 | 5 |  |  | 21 |
| No Property Rights | 4.5 | 2.75 | 12.25 | 3.57 | 15.82 |
| Firm 1 Shut Down | 0 | 5 | 0 | 21 | 21 |
| Property Rights |  |  |  |  |  |
| Polluter Pays | 0 | 5 | 0 | 21 | 21 |
| Victim Pays | 0 | 5 | 12.25 | 8.75 | 21 |

1. Fill in the cells marked with question marks.
2. What is the dead weight loss due to the externality? $21-15.82=5.18$
