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|  |  |  |  |  |  |  |  |  |  |  |
|  | Gravel has been ordered from Lo Tran by Ace Construction | | | | | |  |  |  |  |
|  | The Lo Tran trucks carry 3 tons max per load. The costs per ton per truck to move | | | | | | | |  |  |
|  | gravel between sites is listed below. What are the optimum loads, routings, and | | | | | | | |  |  |
|  | costs of addressing this contract? | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Plant W |  |  |  |  |  |  |
|  | |  | | --- | | 72 tons req'd | |  | $4 | 59 tons available | |  |  |  |  |  |
|  | Project A - Lebanon | |  | Henderson | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $8 |  | $16 |  |  |  |  |  |
|  |  |  |  | $8 |  |  | Plant X |  |  |  |
|  | $8 |  | 102 tons req'd | |  |  | Murfreesboro | |  |  |
|  |  |  | Project B |  | $24 |  | 82 tons available | |  |  |
|  |  |  | Hermitage |  |  |  |  |  |  |  |
|  |  | $16 |  |  |  | $16 |  |  |  |  |
|  |  |  |  | $7 |  |  |  |  |  |  |
|  | Plant Y |  |  |  | Project C |  |  |  |  |  |
|  | |  | | --- | | LaVerne | |  | $24 |  | Dickson |  |  |  |  |  |
|  | 78 ton |  |  |  | 41 tons req'd | |  |  |  |  |
|  | available |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
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