Assignment 6

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The optimal number of patrol aircraft is five (5).

# Aircraft	Benefit ($M)	Cost ($M)	Marginal Cost ($M)	Marginal Benefit ($M)	Difference ($M)
1	$1,995.00	$1,587.00	$1,587.00	$1,995.00	$408.00
2	$3,458.00	$2,396.00	$809.00	$1,463.00	$654.00
3	$4,522.00	$3,049.00	$653.00	$1,064.00	$411.00
4	$5,320.00	$3,618.00	$569.00	$798.00	$229.00
5	$5,852.00	$4,131.00	$513.00	$532.00	$19.00
6	$6,155.00	$4,603.00	$472.00	$303.00	$(169.00)
7	$6,358.00	$5,045.00	$442.00	$203.00	$(239.00)
8	$6,517.00	$5,461.00	$416.00	$159.00	$(257.00)
9	$6,610.00	$5,857.00	$396.00	$93.00	$(303.00)
10	$6,677.00	$6,236.00	$379.00	$67.00	$(312.00)