

Варианты заданий

1. $f(x) = x_1^2 + 6x_2^2 + 5x_1x_2 + 2 \rightarrow \min$

2. $f(x) = x_1^2 - 6x_2^2 - x_1x_2 + 14 \rightarrow \min$

3. $f(x) = 2x_2^2 - 2x_2 + x_1x_2 + 4x_1^2 \rightarrow \min$

4. $f(x) = 4(x_1 - 5)^2 + (x_2 - 6)^2 \rightarrow \min$

5. $f(x) = 2x_1^2 + x_1x_2 + x_2^2 \rightarrow \min$

6. $f(x) = x_1^3 + x_2^2 - 3x_1^2 - 2x_2 + 2 \rightarrow \min$

7. $f(x) = (x_1 - 2)^2 + (x_2 - 5)^2 \rightarrow \min$

8. $f(x) = x_2^2 + 6x_1^2 + 5x_1x_2 + 1 \rightarrow \min$

9. $f(x) = x_2^2 - 6x_1^2 - x_1x_2 + 2 \rightarrow \min$

10. $f(x) = 2x_1^2 - 2x_2 + x_1x_2 + 4x_2^2 \rightarrow \min$

11. $f(x) = 7(x_2 - 1)^2 + (x_1 - 2)^2 \rightarrow \min$

12. $f(x) = x_1^2 + 4x_1x_2 + 18x_2^2 \rightarrow \min$

13. $f(x) = 2x_1^3 + x_1^2 - 3x_2^2 - 2x_1 + 2 \rightarrow \min$

14. $f(x) = (x_1 - 4)^2 + (x_2 - 1)^2 \rightarrow \min$

15. $f(x) = x_2^2 + 6x_1^2 + 5x_1 + 2x_2 + 1 \rightarrow \min$

$$16. f(x) = x_2^2 - 6x_1^2 - x_1 - 2x_2 + 2 \rightarrow \min$$

$$17. f(x) = 2x_1^2 - 2x_1 + x_1x_2 - x_2 + x_2^2 \rightarrow \min$$

$$18. f(x) = (x_2 + x_1 - 1)^2 + 2(x_1 - 2)^2 \rightarrow \min$$

$$19. f(x) = x_1^2 + 4x_1 - x_2 + 18x_2^2 \rightarrow \min$$

$$20. f(x) = 2x_1^3 + x_1^2 - 3x_2^3 - 2x_2 + 2x_2^2 \rightarrow \min$$

$$21. f(x) = (x_1 - 1)^2 + (x_2 + x_1)^2 \rightarrow \min$$

$$22. f(x) = x_1^2 + (4x_1 + x_2)^2 + 18x_2^2 \rightarrow \min$$

$$23. f(x) = 2x_1^3 + x_1^2 - 3x_2^2 - (2x_1 + x_2)^2 + 2 \rightarrow \min$$

$$24. f(x) = (x_1 - 4)^2 + (x_2 - 1)^2 - (x_2 - x_1)^2 \rightarrow \min$$

$$25. f(x) = x_2^2 + 6x_1^2 + (5x_1 + 2x_2)^2 + 1 \rightarrow \min$$