

Questions

1. What is the optimal next move in the following game of Nim?

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2. What is the optimal next move in the following game of Nim?

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3. What is the optimal next move in the following game of Nim?

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4. What is the optimal next move in the following game of Nim?

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5. What is the optimal next move in the following game of Nim?

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6. What is the optimal next move in the following game of Nim?

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Answers

1. Nim sum is not zero. Change heap 4 from 6 to 2
2. Nim sum is not zero. Change heap 1 from 6 to 3
3. Nim sum is not zero. Change heap 1 from 7 to 6
4. Nim sum is not zero. Change heap 2 from 8 to 3
5. Nim sum is not zero. Change heap 3 from 8 to 3
6. Nim sum is not zero. Change heap 3 from 8 to 2