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Google Online Challenge 2020

- Difficulty Level :\nMedium
- Last Updated :\n21 Aug, 2020

The **Google online challenge 2020** for summer internships 2021 was held on August 16. It was a 60-minute online test having 2 questions to code.

First Question: [Size of the smallest subset with maximum Bitwise OR](#)

Second Question: Given a list which initially contains 0, the following queries can be performed:

- **0 X:** add X to the list
- **1 X:** replace each element \xe2\x80\x9cA\xe2\x80\x9d of the list by A^X, where ^ is the xor operator.

Return a list with the result elements in increasing order.

Example:

```
5 (no of queries)\r\n0 4\r\n0 2\r\n1 4\r\n0 5\r\n1 8
```

Answer:

```
8 12 13 14
```

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