

**Question:**  $n$  fair 6-sided dice are simultaneously rolled. The probability that exactly two of them show a number other than 1 is  $25/216$ . Find  $n$ . Please put your answer in `\boxed{}`

**Correct Answer:**  $n=4$

### Round 1

**Mistral-8x7B:** To solve this problem, we need to find the probability of ..., the final answer is: `\boxed{n = 5}` ❌

**Llama-3.1-8B:** Here's how to solve the problem step-by-step. Probability of a single outcome, ..., Thus, `\boxed{n = 3}` ❌

**Gemma-2-27B:** Let's denote the event of rolling a number other than 1 on a die as  $N$ , ..., the answer is `\boxed{n = 4}` ✅

### Round 2

**Mistral-8x7B:** `\boxed{n = 5}` ❌

**Llama-3.1-8B:** Here's how to solve the problem. Probability of a single outcome, ..., Final Answer: `\boxed{n = 5}` ❌

**Gemma-2-27B:** ... It seems there is an inconsistency in the problem or the candidates' answers. ❌