

We need a crew of exactly five people for our upcoming raid. In rank order of top-ranked to bottomranked, the crew is: a helmsman, a skipper, a holumenn, a journeyman cook, and a bard. We'll be sailing under the mighty flag of VVV (Vikings, Vikings, and more Vikings!) with Thor's mighty hammer emblazoned on the side of our ship for good luck. The nine applicants are:

> Frans the Fast Slagvi the Slow Tarr the Tall Shevi the Short Lars the Loud

Quig the Quiet Smidr the Smelly Haddr the Hairy Petronilla the Pale

Use the rules below to figure out which five of the applicants will be on the crew:

- 1. No crew member's name starts with the same letter as another crew member's name.
- 2. In his youth, Lars was Haddr's and Quig's apprentice so neither Haddr nor Quig is
- willing to now be outranked by Lars.

3. As decorated warriors, Petronilla and Lars know that they get good results by being in charge so they each applied to be only the helmsman or the skipper.

4. Haddr and Quig got into a brawl and refuse to work on a crew together.

5. One copy of the crew manifest is listed in rank order of top-ranked to bottom-ranked, while the other copy is listed alphabetically by name. Only Frans and Smidr maintain the same positions on both lists.