## To Infinity and Beyond

brainzilla

Four probes were sent to study the outer planets of our solar system (at the time they were sent, Pluto was a planet). Can you, based only on the clues, figure out which planet has more moons?

1. Uranus was visited right before the planet with 69 moons, which is not Pluto.
2. New Horizons' target had 5 or 62 moons.
3. Cassini didn't head to Jupiter, nor towards the planet with 27 moons.
4. Pluto was reached right before Cassini arrived to its target.
5. Ulysses counted more moons than the planet visited in 2017.
6. The planet visited in 2017 doesn't have 5 moons and wasn't reached by Voyager.
7. New Horizons visited Pluto or Uranus.
8. A probe didn't count 27 moons in 1986.
9. Pluto and Uranus moons sum is an even number.


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|  |  |  |  |  |  |  | Probe |  |  |  | Moons |  | Year |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{\square}{\text { a }}$ | Jupiter | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\times$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\checkmark$ | $\times \times$ |  |  |  |
|  | Saturn | $\checkmark$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\times$ | $\times$ | $\times \vee$ |  |  |  |
|  | Uranus | $x$ | $\checkmark$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\times \times$ |  |  |  |
|  | Pluto | $\times$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\checkmark$ | $x$ | $\times$ | $\times$ | $\times$ | $\checkmark \times$ |  |  |  |
| $\stackrel{\text { ¢ }}{\stackrel{1}{*}}$ | 1986 | $\times$ | $\checkmark$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\times$ | $\times$ |  |  |  |  |  |  |
|  | 1992 | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\times$ | $\times$ | $\times$ | $\checkmark$ |  |  |  |  |  |  |
|  | 2015 | $\times$ | $\times$ | $\times$ | $\checkmark$ | $\times$ | $\checkmark$ | $x$ | $\times$ |  |  |  |  |  |  |
|  | 2017 | $\checkmark$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\checkmark$ | $\times$ |  |  |  |  |  |  |
|  | 5 | $\times$ | $\checkmark$ | $\times$ | $\times$ | Jupiter |  |  |  |  |  | Probe | Moons | Year |  |
|  | 27 | $\times$ | $\times$ | $\times$ | $\checkmark$ |  |  |  |  |  |  | eysses | 69 | 1992 |  |
|  | 62 | $\checkmark$ | $\times$ | $\times$ | $\times$ | Saturn |  |  |  |  |  | assini | 62 | 2017 |  |
|  | 62 69 | $\times$ | + | $\checkmark$ | x | Uranus |  |  |  |  | New H | Horizons | 5 | 1986 |  |
|  | 69 | x | $x$ |  | $x$ | Pluto |  |  |  |  |  | oyager | 27 | 2015 |  |

