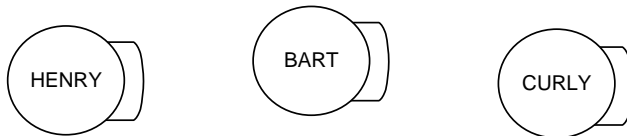


## PROBLEM OF THE WEEK - 2

## THE CROOKED COP

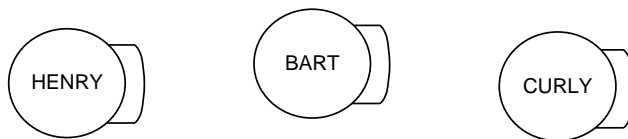
CURLY, BART, AND HENRY ARE THREE INNOCENT MEN BEING HELD BY A CROOKED COP. THE COP TELLS EACH OF THE MEN THAT HE HAS FIVE HATS, TWO BLACK AND THREE WHITE. HE POSITIONS THE THREE MEN SO THAT HENRY CAN SEE BOTH BART AND CURLY, BART CAN ONLY SEE CURLY, AND CURLY CANNOT SEE ANYONE. HE PLACES ONE HAT ON EACH PERSON AND TELLS THEM THAT IF ONE OF THEM GUESSES THE CORRECT COLOR OF THEIR HAT, THEY WILL ALL BE FREED. WITHIN A MINUTE, CURLY SHOUTS OUT THE CORRECT COLOR OF HIS HAT AND THEY ARE ALL SET FREE!

WHAT WAS THE COLOR OF CURLY'S HAT AND HOW DID HE KNOW?

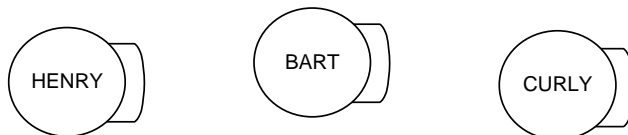


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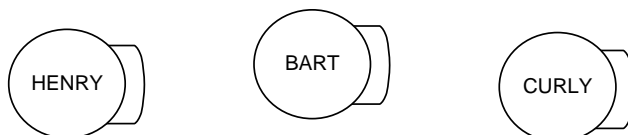
## PROBLEM OF THE WEEK - ANSWER AND HELP



THERE ARE TWO BLACK AND THREE WHITE HATS. IF BART AND CURLY WERE WEARING BOTH BLACK HATS THEN HENRY WOULD HAVE KNOWN HIS WAS WHITE, BUT SINCE HE SAID NOTHING IT MEANS THAT BART AND CURLY WERE WEARING WHITE OR DIFFERENT COLOR HATS.



SINCE HENRY SAID NOTHING BART ALSO KNOWS THAT CURLY AND HE ARE WEARING WHITE OR DIFFERENT COLOR HATS. IF CURLY WAS WEARING A BLACK HAT THEN BART WOULD HAVE KNOWN HIS WAS WHITE, BECAUSE THEY BOTH COULD NOT BE WEARING BLACK. BUT HE DOESN'T SAY ANYTHING EITHER.



THIS TELLS CURLY HE HAS TO BE WEARING A WHITE HAT.