**Cheryl’s Birthday**

**Singapore’s Math Olympiad problem for HS**

Albert and Bernard just became friends with Cheryl and they want to know when her birthday is.

Cheryl gives them a list of ten possible dates.

May 15 May16 May 19

June 17 June 18

July 14 July 16

August 14 August 15 August 17

Cheryl ten tells only Albert the month of her birthday and Bernard the day of her birthday respectively.

Albert states: “I don’t know when Cheryl’s birthday is but I know that Bernard does not know too.

Bernard states: “At first I didn’t know when Cheryl’s birthday is but now I know.

Albert states: “Then I also know when Cheryl’s birthday is.

So when is Cheryl’s birthday?

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