**Outcomes and event probability**

Suppose that the genders of the three children of a family are soon to be revealed. An [outcome](http://www.phoenix.aleks.com/alekscgi/x/Isl.exe/1qH0TbtVYb3AYybUN9K1BWIL_HMZjIiLZdQAgMqM5hJLY_XdbfHRbMFjmjpgNoPvUgns1mgkndvplUelDj0t1PxQ0ZZFLj0LhuQbXkypxLUatJlVuty?1_kaLRYsrbNVU35J7XZsn-DnonILB9S4uhMBc1VYHT7c5lqvwcxQIpMf0mwDQOWPXixkInuFrGht1ubCwFtjXOVdjJSXvSR8hTpdjIjVz) is represented by a string of the sort GBB (meaning the oldest child is a girl, the second oldest is a boy, and the youngest is a boy). The http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Boutcomes are listed in the table below. Note that each outcome has the same [probability](http://www.phoenix.aleks.com/alekscgi/x/Isl.exe/1MFjngoMZgRGZSfkbIrOVuKUGoOWgJhwI9PGWUvKx9kUZisPSsF8SU7q4VU6bxc7zFLl7fVPo9PJdZuytspw7iSLY6th5spwEPPZpHbJ-r8EK1GXvlq?1NWDQ7LC-3_UL9cOv64C4loIKhjmlIXaYvEq5GHFUrRA3Sx1k_X37v1l7Ow9n2vmDW6vp3ajXOCPxaPIq2zDPv0wma6AkwtoKTUHqxjvkw7htfy).

For each of the three [events](http://www.phoenix.aleks.com/alekscgi/x/Isl.exe/1orBV_i-T_-iTRTlm8UxJVpsIY72fqasn-1iXJsry-zsTbL546rm4JjQec44mtHNCiGOAZtyF-AdrASbE6yVAb9DimOU76ysdL18MO2dPuQpLM8-zaq?1gRJyccbSB2r9jTN3EibaHMNAECyReC2AYmJmFKBGWjU90hr9mVhDqNAwK4esgnRJmOurky9aqwEb0kXnd4JGrD9vQska9_eGrEduEy) in the table, check the outcome(s) that are contained in the event. Then, in the last column, enter the probability of the event.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Events | Outcome | Outcome | Outcome | Outcome | Outcome | Outcome | Outcome | outcome |  |  |
|  | BBB | BGG | GGG | BGB | BBG | GBG | GBB | GGB | Probability |  |
| 2 or more boys |  |  |  |  |  |  |  |  |  |  |
| A boy on each of the first 2 births |  |  |  |  |  |  |  |  |  |  |
| A girl on the second birth |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |