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Example 30 Inthepipesystemdepictedbelow,thedischargeinpipeABis100 m3/sec. Branch 1 is 500 m long, and it has a diameter of 2 m and a friction factor of 0.018. Branch 2 has a length of 400 m, diameter of 3 m, and a friction factor of 0.02.

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