The ISP provides your company with a block of IP addresses in this format: 128.32.64.96/29. Give the IP address of each server and the main gateway in both decimal and binary format.

IP Block from ISP (binary)	IP Block from ISP (decimal)
10000000.00100000.01000000.01100xxx	128.32.64.96/29

We need 3 bits to assign IP addresses to 8 machines, because 2^3 = 8.

Machine	IP (binary)	IP (decimal)
Main gateway	10000000.00100000.01000000.01100**000**	128.32.64.96
Server 1	10000000.00100000.01000000.01100**001**	128.32.64.97
Server 2	10000000.00100000.01000000.01100**010**	128.32.64.98
Server 3	10000000.00100000.01000000.01100**011**	128.32.64.99
Server 4	10000000.00100000.01000000.01100**100**	128.32.64.100
Server 5	10000000.00100000.01000000.01100**101**	128.32.64.101
Server 6	10000000.00100000.01000000.01100**110**	128.32.64.102
Server 7	10000000.00100000.01000000.01100**111**	128.32.64.103