

How Long Until Computers Have the Same Power As the Human Brain?

Lake Michigan's volume (at 2.88×10^{17} fluid ounces) is about the same as our brain's capacity (in calculations per second). According to Moore's Law, computer processing power doubles every 18 months. If you want to fill Lake Michigan with water at that rate, you will see very little progress for a long time, and then suddenly it fills all the way up.

1940

1

CALCULATIONS
PER
SECOND

WATERLOO

DUBUQUE

ROCKFORD

CHICAGO

SOUTH BEND

FORT WAYNE

MILWAUKEE

GREEN BAY

ESCANABA

MARQUETTE

TRAVERSE CITY

LANSIG

FLINT

DETROIT

SARNIA

CLEVELAND

200 KM OR 124 MILES