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	Example 1:
•	Brudocode:
the imprison presidents are a second	Step1: Define BM(n)
	5um40, 2401, Z4N(0.1)
	Sumiti = Jum; + 人. Z
	return sum-hounded function it = Sumit
	√2t·ln((nt)
	peturn ([cun;+1; sum_banded_function;+1])
	5-lep 2: Draw the graph of sum and BMCn) _ bounded _ function.
	BW(v)
7000	Prove that w is an exact sampling.
	Pf.
	By definition, W(ti+1) = W(ti) + Jti+1 - ti Zi+1
	: Z is a standard normal distribution
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	:. W(th) - W(ti) = \( \frac{t_{11} - t_{i}}{2} \) Zin \( \sigma \nabla (0, t_{i+1} - t_{i}) - 0 \)
	· W(t) is a standard Brawnian Motion
	:. $W(0)=0$ , which means that $W(ti+1) \sim N(0, ti+1)$
	Also, W(fi41) - W(ft) is independent with each other @
12.1	In conclusion, by combining I and I, whit's safe to say that wis an
	exact sampling.