

# Module sui::poseidon

Module which defines instances of the poseidon hash functions. Available in Devnet only.

Error if any of the inputs are larger than or equal to the BN254 field size.

Error if an empty vector is passed as input.

The field size for BN254 curve.

@param data: Vector of BN254 field elements to hash.

Hash the inputs using poseidon\_bn254 and returns a BN254 field element.

Each element has to be a BN254 field element in canonical representation so it must be smaller than the BN254 scalar field size which is 21888242871839275222246405745257275088548364400416034343698204186575808495617.

This function is currently only enabled on Devnet.

@param data: Vector of BN254 field elements in little-endian representation.

Hash the inputs using poseidon\_bn254 and returns a BN254 field element in little-endian representation.

## Constants

Error if any of the inputs are larger than or equal to the BN254 field size.

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Error if an empty vector is passed as input.

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The field size for BN254 curve.

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