

A formula made out of primes that does not give any primes(irreducible result of solve and differences)

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```
sq=Table[j,{j,1000000}]
sq1=Table[j,{j,9050}]
sq2=Table[i,{i,10000000}]
q=Select[sq2,CompositeQ,(10000)]
n=Select[sq,PrimeQ,(100)]
sq=Table[j,{j,1000000}]
b=Select[sq,PrimeQ,(100)]
n1=(n^8-7)+(b^4)
Differences[n1]
```

(* Resolver para os primeiros 100 valores de n1 somente no domínio real *)

```
a = Table[
  Solve[x^8 - 7 + x^4 == n[[i]], x, Reals],
  {i, 1, 100}
];
```

(* Resultados *)

```
a
```

```
Differences[a]
```

```
{{x->(\[InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] -1.26\[Ellipsis]}, {x-
>(\[InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] 1.26\[Ellipsis]}}, {x-
>(\[InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] -1.28\[Ellipsis]}, {x-
>(\[InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] 1.28\[Ellipsis]}}, {x-
>(\[InvisiblePrefixScriptBase]^4)\[NegativeVeryThinSpace] -1.32\[Ellipsis]}, {x-
>(\[InvisiblePrefixScriptBase]^4)\[NegativeVeryThinSpace] 1.32\[Ellipsis]}}, {x-
>(\[InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] -1.35\[Ellipsis]}, {x-
```

$\sqrt[8]{-1.35}$ $\sqrt[8]{-1.39}$ $\sqrt[8]{1.39}$ $\sqrt[8]{-1.45}$ $\sqrt[8]{1.45}$ $\sqrt[8]{-1.47}$ $\sqrt[8]{1.50}$ $\sqrt[8]{-1.53}$ $\sqrt[8]{1.54}$ $\sqrt[8]{-1.57}$ $\sqrt[8]{1.59}$ $\sqrt[8]{-1.60}$ $\sqrt[8]{1.62}$ $\sqrt[8]{-1.64}$ $\sqrt[8]{1.66}$ $\sqrt[8]{-1.67}$ $\sqrt[8]{1.69}$ $\sqrt[8]{-1.70}$ $\sqrt[8]{1.71}$ $\sqrt[8]{-1.72}$ $\sqrt[8]{-1.75}$ $\sqrt[8]{1.75}$ $\sqrt[8]{-1.77}$ $\sqrt[8]{1.77}$ $\sqrt[8]{-1.77}$ $\sqrt[8]{1.77}$ $\sqrt[8]{-1.78}$ $\sqrt[8]{1.78}$ $\sqrt[8]{-1.79}$ $\sqrt[8]{1.79}$ $\sqrt[8]{-1.79}$ $\sqrt[8]{1.79}$

[illegible]

[illegible]

>([InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] 2.19\[Ellipsis])-(x-
>([InvisiblePrefixScriptBase]^8)\[NegativeVeryThinSpace] 2.18\[Ellipsis]))}}

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