(15) $n = pq$ = 216273774599077 × 4758131272895389067293 (from wolfram alpha)

$(e)d = 1 \bmod (\phi)$ $\phi = (p-1)(q-1)$

Using wolfram alpha

ϕ = 1029059010476754 044 659 014 131 431 657592

e = 2287529

ϕ a	c b	r	q
	2287529	1955837	449 856159387161450044573918595
2287529	1955837	331692	1
1955837	331692	297377	5
331692	297377	34315	1
297377	34315	22857	8
22857	11458	11399	1
11458	11399	59	1
11399	59	12	193
59	12	11	4
12	11	1	1
11	1	0	11
1	0	—	—

To decode

c^d in $\mathbb{Z}_n$

$= 10277953144517814413748415386257882516^d \bmod n$

decoded message:

5280787085737479720168777083 77083

Used calculator, wolfram alpha and mod exp. java to decode

$d > 0$

$1 = s\phi + de$

s	d
	941185214464875586176062325444 22 5812
-2093674	-2093674
1790091	1790091
-303583	-303583
272176	272176
-31407	
	20920
-10487	-10487
10433	10433
-54	-54
11	11
-10	-10
1	1
1	

$1 = (-54)(11399) + d(5$

$1 = (11)(59) + d(12)$

$1 = (-10)(12) + d(11)$

$1 = (1)11 + 1(-10$

$1 = (1)(1) + (1)(0)$

d = 9411852144648755861760623254442258121