a = '''1 Dr. B.R. Ambedkar National Institute of Technology, Jallandhar

2 Indian Institute of Engineering Science and Technology, Shibpur

3 Indian Institute of Information Technology and Management, Gwalior

4 Indian Institute of Information Technology, Allahabad

5 Indian Institute of Information Technology, Design and Manufacturing Jabalpur

6 Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram,

7 Indian Institute of Information Technology, Design and Manufacturing, Kurnool

8 Indian Institute of Information Technology, Una

9 Indian Institute of Information Technology, Vadodara

10 Indian Institute of Information Technology, Chittoor

11 Indian Institute of Information Technology, Guwahati

12 Indian Institute of Information Technology, Kalyani

13 Indian Institute of Science Education and Research, Berhampur

14 Indian Institute of Science Education and Research, Bhopal

15 Indian Institute of Science Education and Research, Kolkata,

16 Indian Institute of Science Education and Research, Mohali

17 Indian Institute of Science Education and Research, Pune

18 Indian Institute of Science Education and Research, Thiruvananthapuram

19 Indian Institute of Science Education and Research, Tirupati

20 Indian Institute of Science, Bangalore

21 Indian Institute of Technology Dharwad

22 Indian Institute of Technology (Banaras Hindu University), Varanasi

23 Indian Institute of Technology (Indian School of Mines), Dhanbad

24 Indian Institute of Technology, Bhilai

25 Indian Institute of Technology, Bhubaneshwar

26 Indian Institute of Technology, Delhi

27 Indian Institute of Technology, Gandhi Nagar

28 Indian Institute of Technology, Goa

29 Indian Institute of Technology, Guwahati

30 Indian Institute of Technology, Hyderabad

31 Indian Institute of Technology, Indore

32 Indian Institute of Technology, Jammu

33 Indian Institute of Technology, Jodhpur

34 Indian Institute of Technology, Kanpur

35 Indian Institute of Technology, KharagpurÂ

36 Indian Institute of Technology, Madras

37 Indian Institute of Technology, Mandi

38 Indian Institute of Technology, MumbaiÂ

39 Indian Institute of Technology, Palakkad

40 Indian Institute of Technology, Patna

41 Indian Institute of Technology, Roorkee

42 Indian Institute of Technology, Ropar

43 Indian Institute of Technology, Tirupati

44 Indian Institute of Information Technology, Agartala

45 Indian Institute of Information Technology, Bhopal

46 Indian Institute of Information Technology, Dharward

47 Indian Institute of Information Technology, Kakinada

48 Indian Institute of Information Technology, Kota

49 Indian Institute of Information Technology, Kottayam

50 Indian Institute of Information Technology, Lucknow

51 Indian Institute of Information Technology, Nagpur

52 Indian Institute of Information Technology, Pune

53 Indian Institute of Information Technology, Ranchi

54 Indian Institute of Information Technology, Senapati

55 Indian Institute of Information Technology, Sonepat

56 Indian Institute of Information Technology, Surat

57 Indian Institute of Information Technology, Tiruchirappalli

58 Malaviya National Institute of Technology, Jaipur

59 Maulana Azad National Institute of Technology, Bhopal

60 Motilal Nehru National Institute of Technology, Allahabad

61 National Institute of Technology, Agartala

62 National Institute of Technology, Andhra Pradesh

63 National Institute of Technology, Calicut

64 National Institute of Technology, Delhi

65 National Institute of Technology, Durgapur

66 National Institute of Technology, Goa

67 National Institute of Technology, Hamirpur

68 National Institute of Technology, Jamshedpur

69 National Institute of Technology, Kurukshetra

70 National Institute of Technology, Manipur

71 National Institute of Technology, Meghalaya

72 National Institute of Technology, Mizoram, Chaltlang

73 National Institute of Technology, Nagaland

74 National Institute of Technology, Patna

75 National Institute of Technology, Puducherry

76 National Institute of Technology, Raipur

77 National Institute of Technology, Rourkela

78 National Institute of Technology, Sikkim

79 National Institute of Technology, Silchar

80 National Institute of Technology, Srinagar

81 National Institute of Technology, Srinagar (Garhwal), Uttarkhand

82 National Institute of Technology, Surathkal

83 National Institute of Technology, Tiruchirapalli

84 National Institute of Technology, Warangal

85 National Institute of Technology, Yupia

86 Sardar Vallabhbhai National Institute of Technology, Surat

87 Visvesvaraya National Institute of Technology, Nagpur'''.split('\n')

a = [x.split('\t')[1] for x in a]

st = 'National Institute of Technology'

NITs = sum((1 if st in x else 0)for x in a)

NITs

31

st = 'Indian Institute of Information Technology'

IIITs = sum((1 if st in x else 0)for x in a)

IIITs

24

st = 'Indian Institute of Technology'

IITs = sum((1 if st in x else 0)for x in a)

IITs

23

st = 'Indian Institute of Science Education and Research'

IISERs = sum((1 if st in x else 0)for x in a)

IISERs

7

st = 'Indian Institute of Engineering Science and Technology'

IIESTs = sum((1 if st in x else 0)for x in a)

IIESTs

1

st = 'Indian Institute of Science'

IISc = sum((1 if st in x else 0)for x in a)

IISc

8

IISc = 1 #One & only IISc is there

IISc + IITs + NITs + IIITs + IISERs + IIESTs

87

IISc , IITs , NITs , IIITs , IISERs , IIESTs

(1, 23, 31, 24, 7, 1)